STR-DE375

SERVICE MANUAL

Ver 1.0 2001. 04

Canadian Model
AEP Model
UK Model
E Model

Manufactured under license from Dolby Laboratories Licensing Corporation.
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SPECIFICATIONS

Amplifier section

Rated Power Output at Stereo Mode

Canadian model:
(8 ohms 40 Hz - 20 kHz, less than 0.09% total harmonic distortion)
80 W + 80 W

Malaysia, Singapore model
(8 ohms at 1 kHz, THD 0.7%)
80 W + 80 W

Other countries:
(8 ohms at 1 kHz, THD 0.7%)
50 W + 50 W

Reference Power Output

Canadian model:
(8 ohms at 1 kHz, THD 0.7%)
Front: 80 W/ch
Center: 80 W
Surround: 80 W/ch

Malaysia, Singapore model
(8 ohm at 1 kHz, THD 10%)
Front: 90 W/ch
Center: 90 W
Surround: 80 W/ch
Other countries:
(8 ohms at 1 kHz, THD 10%)
Front: 50 W/ch
Center: 50 W
Surround: 50 W/ch

Frequency response

TV/SAT, CD, MD/TAPE, VIDEO, DVD/MULTI CH: 10 Hz - 50 kHz $^{+0.5}_{-2}$ dB

Inputs

	Sensitivity	Impedance	S/N
CD, DVD/ MULTI CH, MD/TAPE, TV/SAT, VIDEO	150 mV	50 kilohms	85 dB

Outputs

MD/TAPE OUT:
Voltage: 150 mV,
Impedance: 10 kilohms
VIDEO AUDIO OUT:
Voltage: 150 mV,
Impedance: 10 kilohms
SUB WOOFER:
Voltage: 2 V
Impedance: 1 kilohms
PHONES: Accepts low and high impedance headphones

Muting Full mute

TONE ±6 dB at 100 Hz and 10 kHz

Tuner section

FM stereo, FM/AM superheterodyne tuner

FM tuner section

Tuning range 87.5 - 108.0 MHz

Antenna terminals 75 ohms, unbalanced

Intermediate frequency 10.7 MHz

Sensitivity Mono: 18.3 dBf, 4.5 µV
Stereo: 38.3 dBf, 45 µV

Usable sensitivity 11.2 dBf, 1 µV (IHF)

S/N Mono: 76 dB
Stereo: 70 dB

Harmonic distortion at 1 kHz Mono: 0.3 %
Stereo: 0.5 %

— Continued on next page —

FM STEREO FM-AM RECEIVER

9-873-861-11
2001D1600-1
© 2001.4

Sony Corporation
Audio Entertainment Group
General Engineering Dept.

SONY®

Separation 45 dB at 1 kHz

Frequency response 30 Hz - 15 kHz $^{+0.5}_{-2}$ dB

Selectivity 60 dB at 400 kHz

AM tuner section

Tuning range Malaysia, Singapore model
531 - 1602 kHz (9 kHz step)

Canadian model:
530 - 1710 kHz (10 kHz step)*
531 - 1710 kHz (9 kHz step)*

Other countries models:
530 - 1610 kHz (10 kHz step)*
531 - 1602 kHz (9 kHz step)*

Antenna Loop antenna

Intermediate frequency 450 kHz

Usable sensitivity 50 dB/m (at 999 kHz)

S/N 54 dB (at 50 mV/m)

Harmonic distortion 0.5 % (50 mV/m, 400 Hz)

Selectivity At 9 kHz: 35 dB
At 10 kHz: 40 dB

* You can change the AM tuning interval between 9 kHz and 10 kHz. Turn off the receiver and press I/⏻ (power) for more than 4 seconds until "INITIAL" appears.
  1) After tuning in any AM station, turn off the receiver.
  2) Hold down PRESET TUNING + button and press the I/⏻ (power) button. "9k STEP" appears.

To change to 10k Step, repeat step 1 and 2 until "10k STEP" appears. Note that all preset stations, index names and sound field are cleared after you make the procedure above.

General

System Tuner section: PLL quartz-locked digital synthesizer system
Preamplifier section: Low-noise NF type equalizer
Power amplifier section: Pure-complementary SEPP

Power requirements Canadian model:
120 V AC, 60 Hz

Malaysia, Singapore model
220-230 V AC, 50/60 Hz

Other countries:
120/220/240 V AC, 50/60 Hz

Power consumption Canadian model:
240 VA
Standby mode: 0.5 W

Malaysia, Singapore model
175 W
Standby mode: 0.5 W

Other countries:
160 W
Standby mode: 0.5 W

Dimensions 430 x 145 x 298 mm

Mass(Approx.) Malaysia, Singapore model
5.5 kg

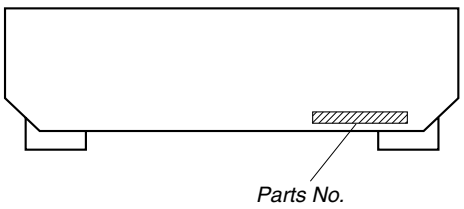
Canadian and other countries:
6 kg (13 lb 4 oz)

Supplied accessories
- FM wire antenna (1)
- AM loop antenna (1)
- Remote commander (remote) (1)
- Size AA (R6) batteries (2)

The specification measured is under
- 230 AC 50 Hz condition (Malaysia, Singapore model)

Design and specifications are subject to change without notice.

MODEL IDENTIFICATION
— BACK PANEL —



MODEL	PARTS No.
AEP model	4-232-119-0☐
UK model	4-232-119-1☐
Malaysia,Singapore model	4-232-119-3☐
E model	4-232-119-4☐
Canadian model	4-232-119-5☐
Argentina model	4-232-119-7☐

SAFETY CHECK-OUT

After correcting the original service problem, perform the following safety checks before releasing the set to the customer: Check the antenna terminals, metal trim, "metallized" knobs, screws, and all other exposed metal parts for AC leakage. Check leakage as described below.

LEAKAGE

The AC leakage from any exposed metal part to earth ground and from all exposed metal parts to any exposed metal part having a return to chassis, must not exceed 0.5 mA (500 microamperes). Leakage current can be measured by any one of three methods.

1. A commercial leakage tester, such as the Simpson 229 or RCA WT-540A. Follow the manufacturers' instructions to use these instruments.

2. A battery-operated AC milliammeter. The Data Precision 245 digital multimeter is suitable for this job.

3. Measuring the voltage drop across a resistor by means of a VOM or battery-operated AC voltmeter. The "limit" indication is 0.75 V, so analog meters must have an accurate low-voltage scale. The Simpson 250 and Sanwa SH-63Trd are examples of a passive VOM that is suitable. Nearly all battery operated digital multimeters that have a 2V AC range are suitable. (See Fig. A)

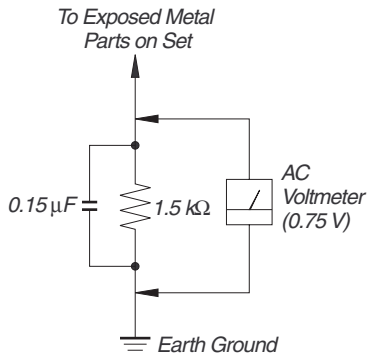


Fig. A. Using an AC voltmeter to check AC leakage.

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SAFETY-RELATED COMPONENT WARNING!!

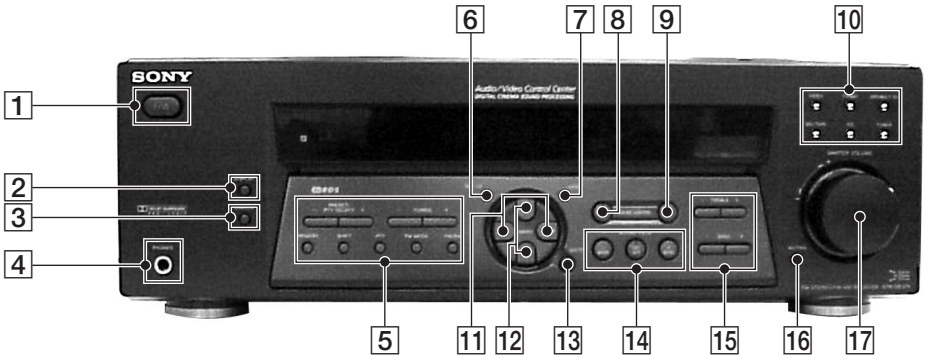
COMPONENTS IDENTIFIED BY MARK ⚠ OR DOTTED LINE WITH MARK ⚠ ON THE SCHEMATIC DIAGRAMS AND IN THE PARTS LIST ARE CRITICAL TO SAFE OPERATION. REPLACE THESE COMPONENTS WITH SONY PARTS WHOSE PART NUMBERS APPEAR AS SHOWN IN THIS MANUAL OR IN SUPPLEMENTS PUBLISHED BY SONY.

ATTENTION AU COMPOSANT AYANT RAPPORT À LA SÉCURITÉ!

LES COMPOSANTS IDENTIFÉS PAR UNE MARQUE ⚠ SUR LES DIAGRAMMES SCHÉMATIQUES ET LA LISTE DES PIÈCES SONT CRITIQUES POUR LA SÉCURITÉ DE FONCTIONNEMENT. NE REMPLACER CES COMPOSANTS QUE PAR DES PIÈSES SONY DONT LES NUMÉROS SONT DONNÉS DANS CE MANUEL OU DANS LES SUPPÉMENTS PUBLIÉS PAR SONY.

SECTION 1
GENERAL

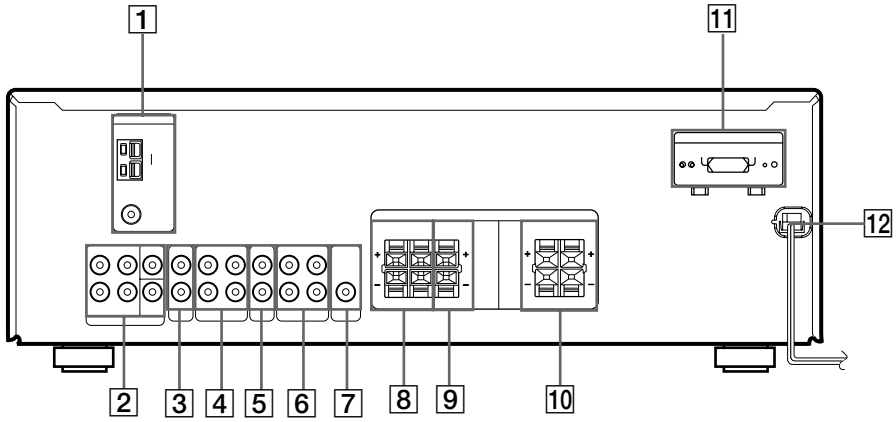
Front Panel



1 **I/⏻**(POWER) button
2 DISPLAY button
3 DIMMER button
4 PHONES jack
5 PRESET/PTY SELECT +, − buttons
TUNING +, − buttons
MEMORY button
SHIFT button
PTY button
FM MODE button
FM/AM button
6 SET UP button and indicator
7 NAME button and indicator
8 LEVEL button and indicator
9 SUR button and indicator
10 VIDEO button
TV/SAT button
DVD/MULTI CH button
MD/TAPE button
CD button
TUNER button
11 MENU <, > buttons
12 MENU +, − buttons
13 ENTER button
14 SOUND FIELD ON/OFF (and indicator),
MODE +, − buttons
15 TREBLE +, − buttons
BASS +, − buttons
16 MUTING button
17 MASTER VOLUME control

This section is extracted from instruction manual.

Rear Panel



1 ANTENNA (AM/FM)
2 DVD/MULTI CH
3 CD
4 MD/TAPE
5 TV/SAT
6 VIDEO
7 SUB WOOFER
8 SPEAKERS SURROUND
9 SPEAKERS CENTER
10 SPEAKERS FRONT
11 VOLTAGE SELECTOR (except Singapore, Malaysia and Canada models)
12 AC power cord

SECTION 2
TEST MODE

FACTORY SET MODE

* All preset contents are reset to the default setting.
* Procedure:
  While depressing the VIDEO and the CD buttons simultaneously, press the power I/⏻ button to turn on the main power. The message "FACTORY" appears and the present contents are reset to the default values.

ALL CLEAR MODE

* All preset contents are cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.
* Procedure:
  While depressing the TUNER and the MD/TAPE buttons simultaneously, press the power I/⏻ button to turn on the main power. The message "INITIAL" appears and initialization is performed.

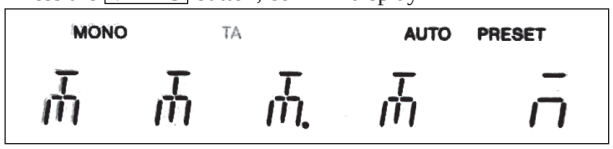
FLUORESCENT INDICATOR TUBE TEST MODE

* All fluorescent segments are tested. When this test is activated, all segments turn on at the same time, then each segment turns on one after another.
* Procedure:
  While depressing the TV/SAT and the CD buttons simultaneously, press the power I/⏻ button to turn on the main power.

1. All segments turn on.

   SET UP, SOUND FIELD LED turn on.

2. Press the VIDEO button, confirm display



   SET UP, NAME LED turn on.

3. Press the VIDEO button, confirm display

   SOUND CONTROL LEVEL, SOUND CONTROL SUR and SOUND FIELD LED turn on.

4. Press the VIDEO button, All segments turn off.

5. Every pressing of the VIDEO button turns on each segment one after another in the following order.
   (Not only the VIDEO button, but also the other buttons such as TV/SAT, MD/TAPE, CD, TUNER can be used.)

AM CHANNEL STEP 9 kHz/10 kHz SELECTION MODE

* Either the 9 kHz step or 10 kHz step can be selected for the AM channel step.
* Procedure:
  Set the FUNCTION to AM. Turn off the main power.
  While depressing the TUNING+ button or the PRESET+ button, press the power I/⏻ button to turn on the main power. Either the message "AM 9 k STEP" or "AM 10 k STEP" appears. Select the desired step.
* For Canadian/E model only

SOFTWARE VERSION DISPLAY MODE

* The software version is displayed.
* Procedure:
  While depressing the TUNER and the VIDEO buttons simultaneously, press the power I/⏻ button to turn on the main power. The model name, destination and the software version are displayed.

AUTOBETICAL MODE (AEP Model only)

* This mode is installed in the Europe models only. When this mode is used, the receiver scans the broadcasts that can be received by tuner, and sets up the broadcasts. Be sure to start scanning after connecting the antenna.
* Procedure:
  Check that the antenna is connected. Press the power I/⏻ button while pressing the MEMORY button to turn on the power. The message "Autobetical select" appears and scanning starts by tuner.

SURROUND CLEAR MODE

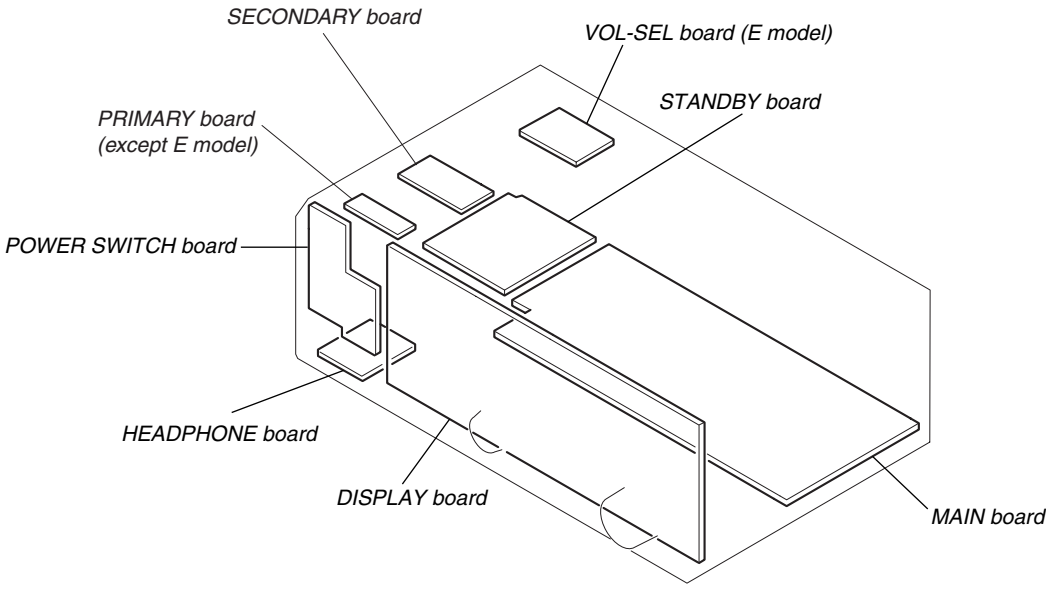
* The preset sound field is cleared when this mode is activated. Use this mode before returning the product to clients upon completion of repair.
* Procedure:
  While depressing the SOUND FIELD ON/OFF button, press the power I/⏻ button to turn on the main power. The message "SURR CLR" appears and initialization is performed.

KEY CHECK MODE

* Button check
* Procedure:
  While depressing the MD/TAPE and the CD buttons simultaneously, press the power I/⏻ button to turn on the main power.
  "RES 36 KEY" appears.
  Every pressing of any button other than I/⏻ counts down the buttons. The buttons which are already counted once are not counted again. When all buttons are pressed "RES 00 KEY" appears.
  When MASTER VOLUME is rotated in clockwise direction, "VOL MIN", "VOL 1" to "VOL 30", "VOL MAX" appear.

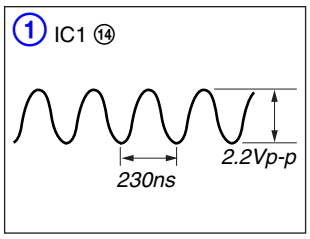
SECTION 3
DIAGRAMS

3-1. CIRCUIT BOARDS LOCATION

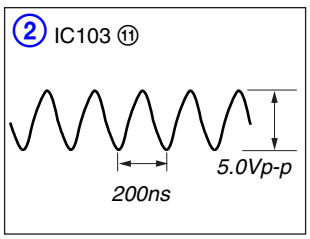


• WAVEFORMS

– MAIN BOARD –



– DISPLAY BOARD –



THIS NOTE IS COMMON FOR PRINTED WIRING BOARDS AND SCHEMATIC DIAGRAMS. (In addition to this necessary note is printed in each block.)

For schematic diagrams.

Note:

- All capacitors are in µF unless otherwise noted. pF: µµF 50 WV or less are not indicated except for electrolytics and tantalums.
- All resistors are in Ω and 1/4 W or less unless otherwise specified.
- % : indicates tolerance.
- △ : internal component.
- : nonflammable resistor.
- : fusible resistor.
- : panel designation.

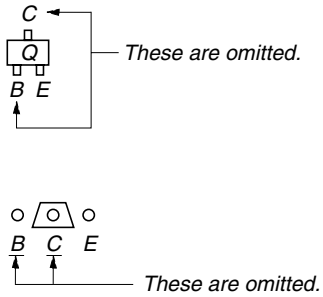
Note:	**Note:**
The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

- : B+ Line.
- : B– Line.
- : adjustment for repair.
- Voltages and waveforms are dc with respect to ground under no-signal (detuned) conditions.
  No mark : FM
- Voltages are taken with a VOM (Input impedance 10 MΩ). Voltage variations may be noted due to normal production tolerances.
- Waveforms are taken with a oscilloscope.
- Circled numbers refer to waveforms.
- Signal path.
  : FM
  : CD
- Abbreviation
  CND : Canadian model
  MY : Malaysia model
  SP : Singapore model
  AR : Argentina model

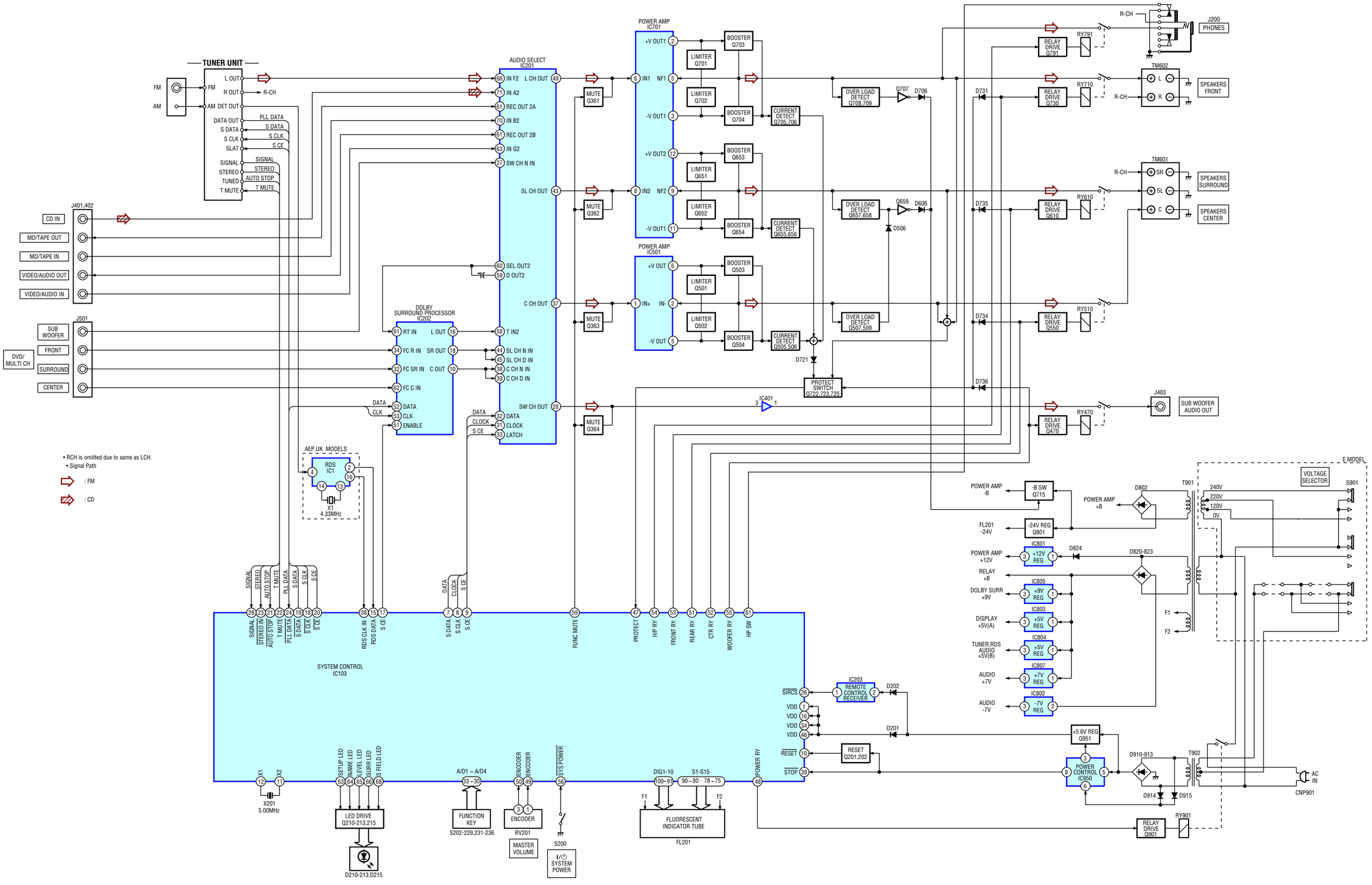
For printed wiring boards.

Note:

- : parts extracted from the component side.
- : Pattern from the side which enables seeing.



3-2. BLOCK DIAGRAM



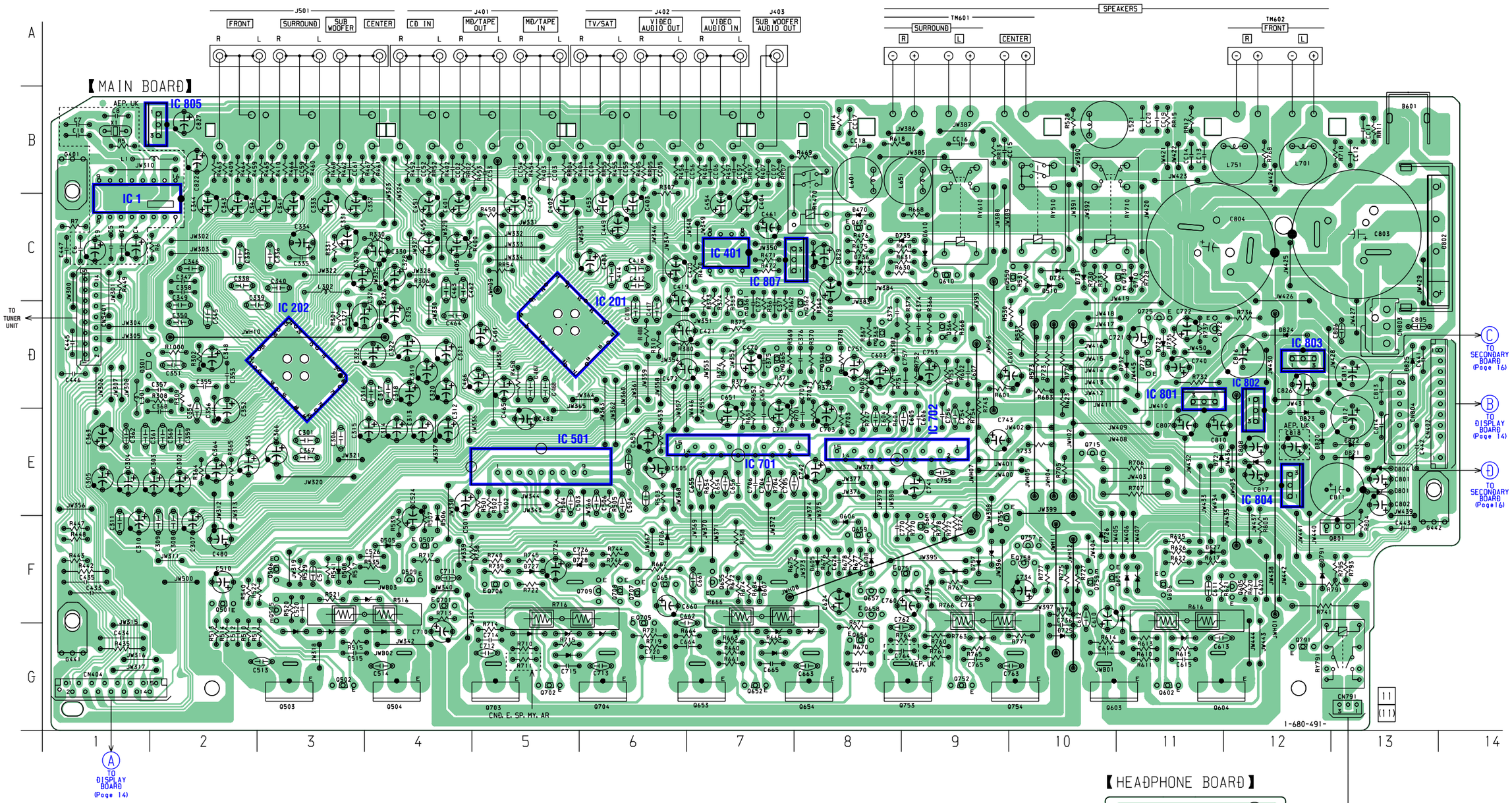
• RCH is omitted due to same as LCH.
• Signal Path

: FM

: CD

STR-DE375

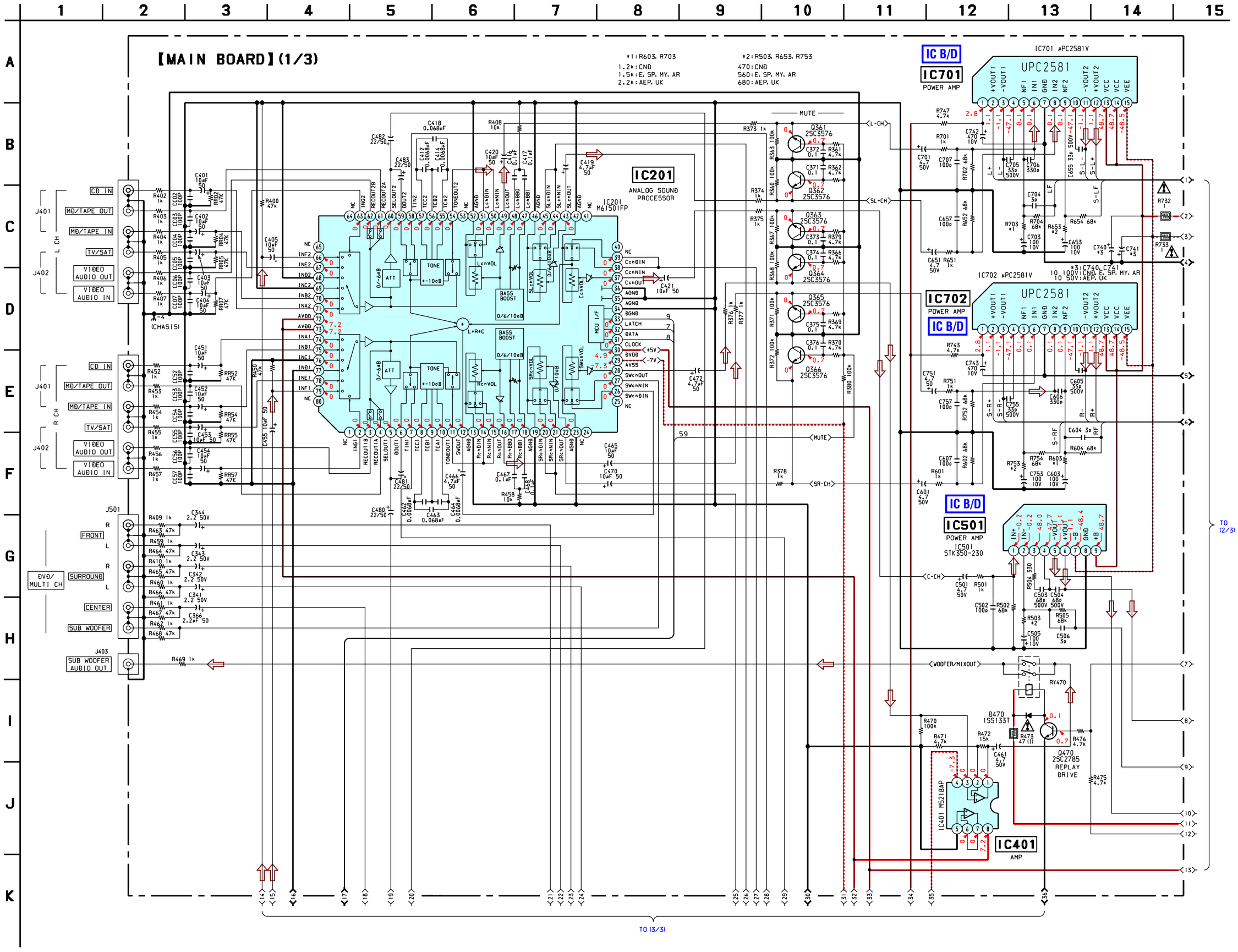
3-3. PRINTED WIRING BOARD – MAIN SECTION –



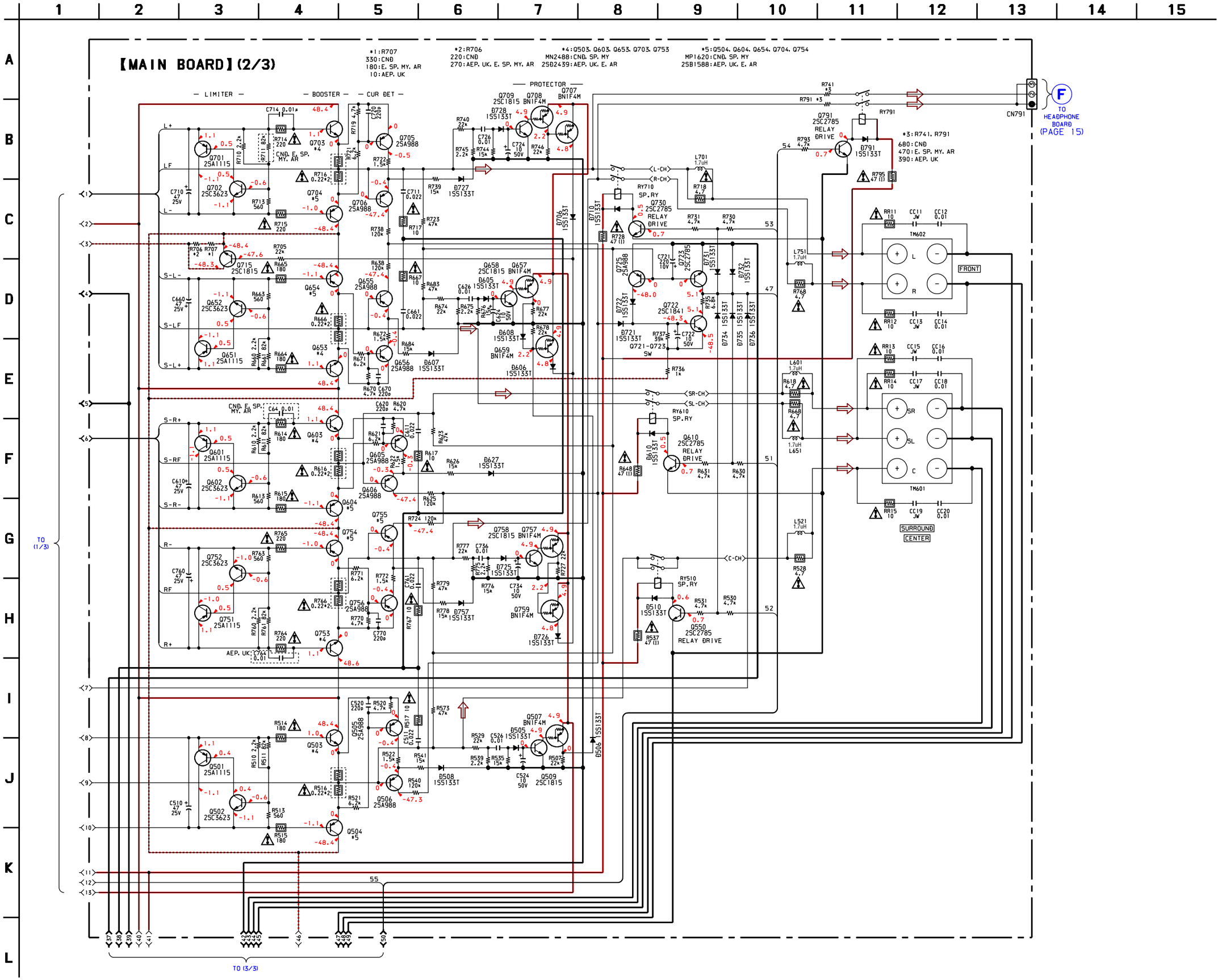
• **Semiconductor Location**

Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location	Ref. No.	Location
D301	D-1	D727	F-5	IC1	C-1	Q365	D-7	Q610	C-9	Q709	F-6
D470	C-8	D728	F-6	IC201	D-5	Q366	D-8	Q651	F-6	Q715	E-10
D505	F-4	D731	C-10	IC202	D-3	Q470	C-8	Q652	G-7	Q722	D-11
D506	F-4	D732	D-11	IC401	C-7	Q501	F-2	Q653	G-7	Q723	D-11
D508	F-3	D734	C-10	IC501	E-5	Q502	G-3	Q654	G-8	Q725	D-11
D510	C-10	D735	C-9	IC701	E-7	Q503	G-3	Q655	F-7	Q730	C-11
D605	F-8	D736	C-8	IC702	E-8	Q504	G-4	Q656	G-8	Q751	F-9
D606	F-8	D757	F-9	IC801	D-11	Q505	F-3	Q657	F-8	Q752	G-9
D607	F-7	D791	F-12	IC802	D-12	Q506	F-3	Q658	F-8	Q753	G-9
D608	F-8	D801	E-13	IC803	D-12	Q507	F-4	Q659	F-8	Q754	G-10
D610	C-9	D802	C-13	IC804	E-12	Q509	F-4	Q701	F-4	Q755	E-9
D627	F-11	D804	E-13	IC805	B-2	Q550	C-10	Q702	G-5	Q756	F-9
D706	F-6	D820	E-12	IC807	C-8	Q601	F-10	Q703	G-5	Q757	F-10
D710	C-11	D821	E-13			Q602	G-11	Q704	G-6	Q758	F-10
D721	E-11	D822	E-13	Q361	D-7	Q603	G-10	Q705	F-6	Q759	F-10
D722	D-11	D823	D-12	Q362	D-8	Q604	G-11	Q706	F-5	Q791	G-12
D725	G-10	D824	D-12	Q363	D-8	Q605	G-12	Q707	F-6	Q801	F-13
D726	F-10	D825	D-13	Q364	D-9	Q606	F-11	Q708	F-6		

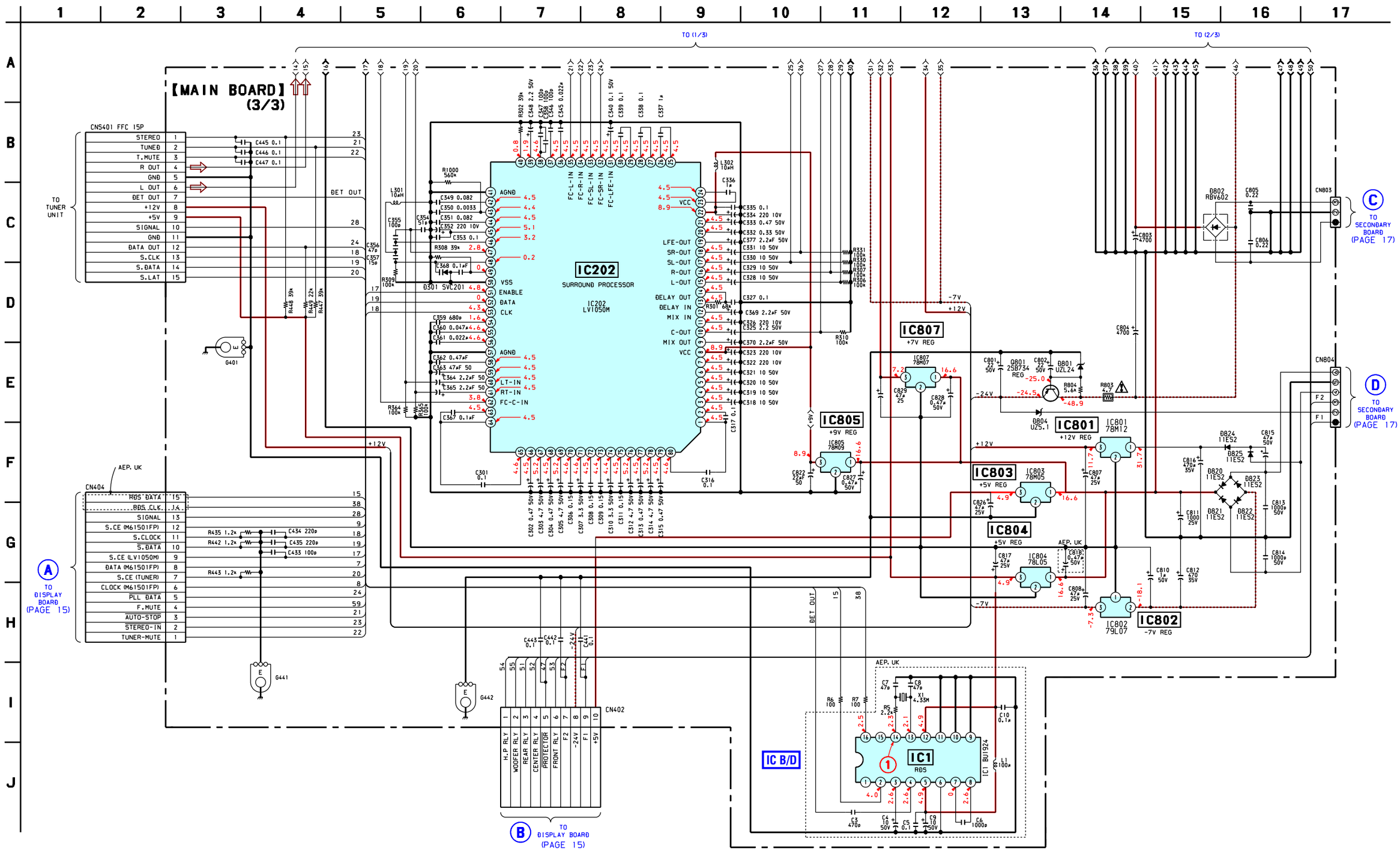
3-4. SCHEMATIC DIAGRAM – MAIN SECTION(1/3) –



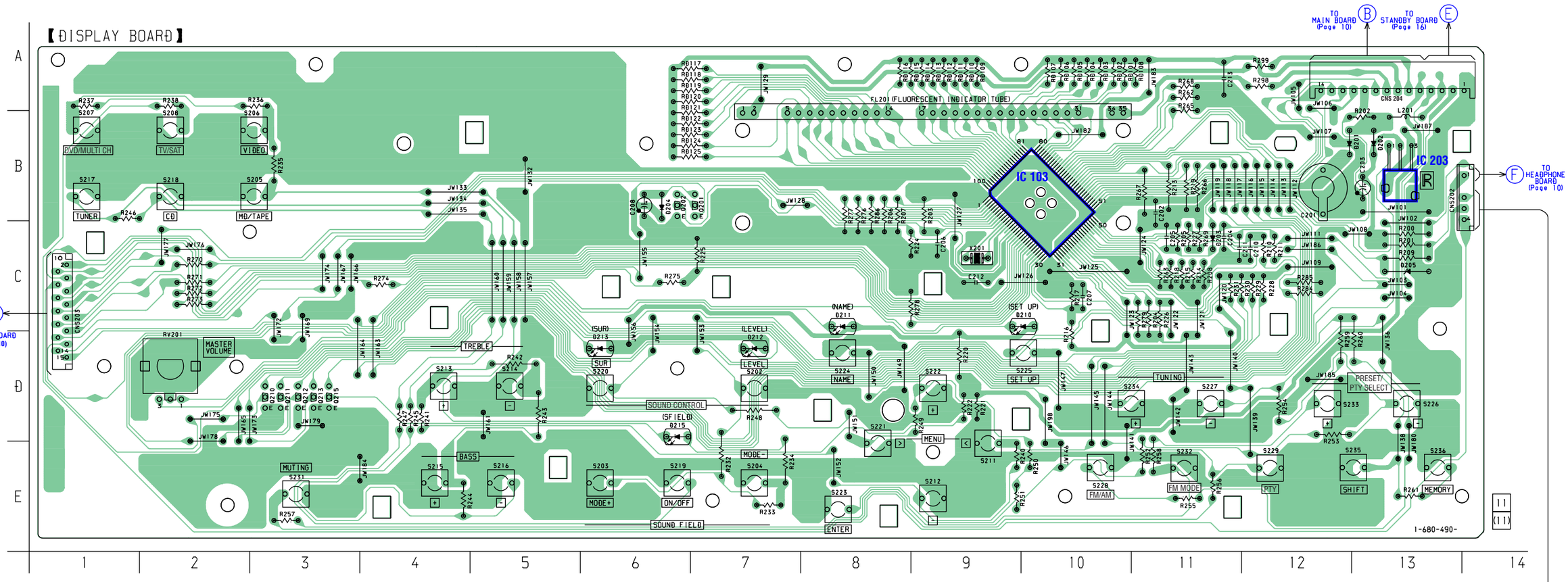
3-5. SCHEMATIC DIAGRAM – MAIN SECTION(2/3) –



3-6. SCHEMATIC DIAGRAM – MAIN SECTION(3/3) –



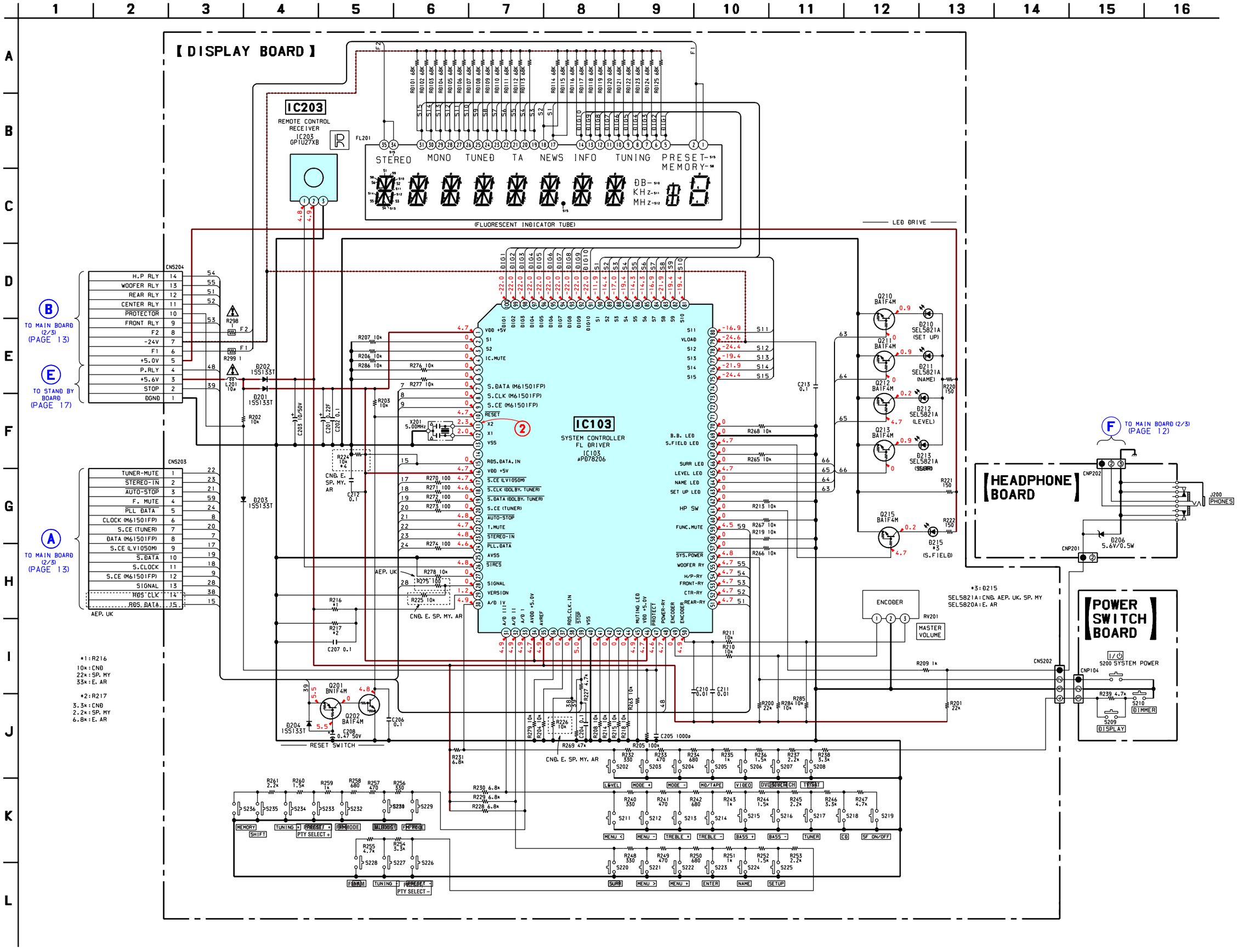
3-7. PRINTED WIRING BOARD – PANEL SECTION –



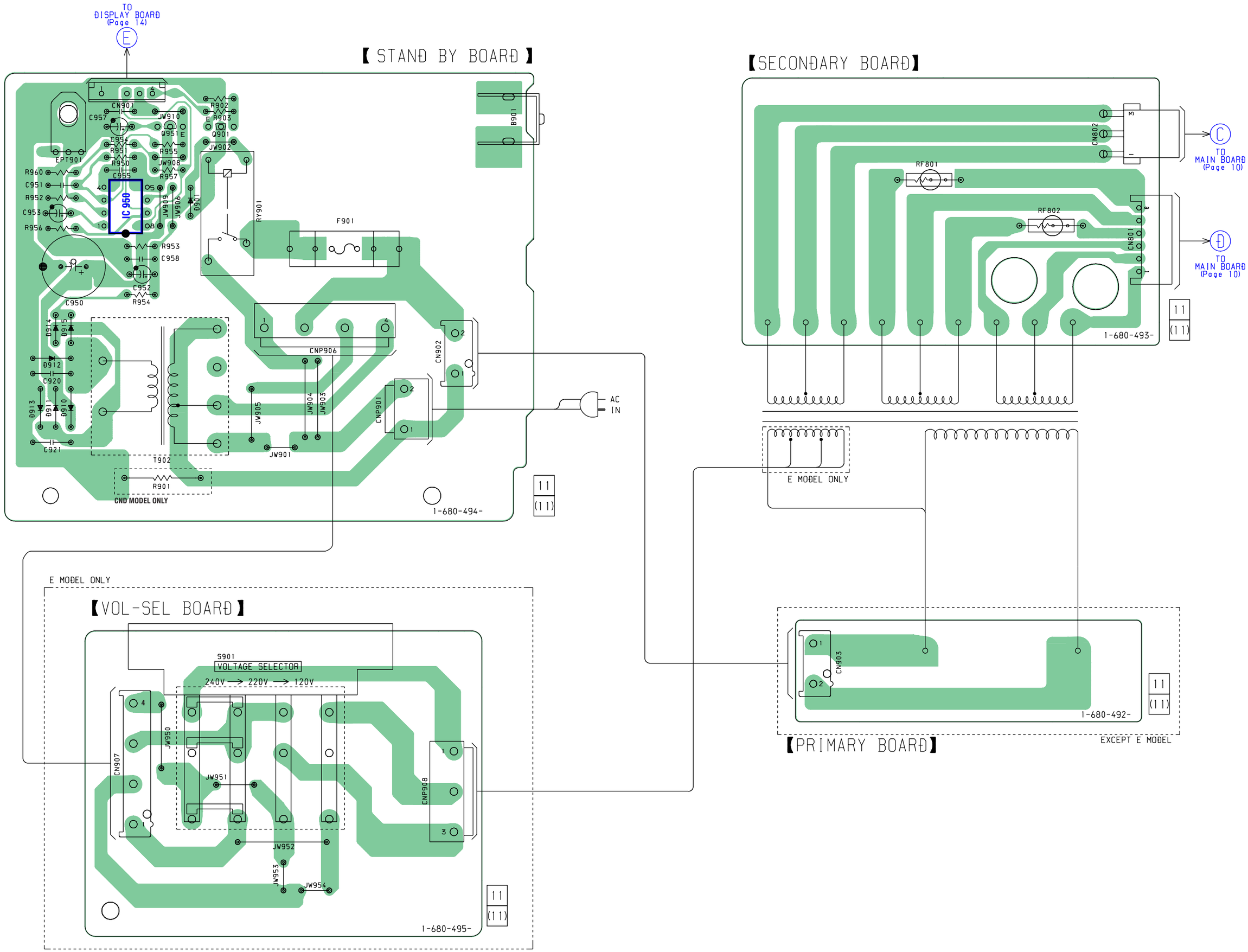
• **Semiconductor Location**

Ref. No.	Location
D201	B-12
D202	B-13
D203	C-11
D204	B-6
D210	C-9
D211	C-8
D212	D-7
D213	D-6
D215	D-6
IC103	B-10
IC203	B-13
Q201	B-7
Q202	B-6
Q210	D-3
Q211	D-3
Q212	D-3
Q213	D-3
Q215	D-3

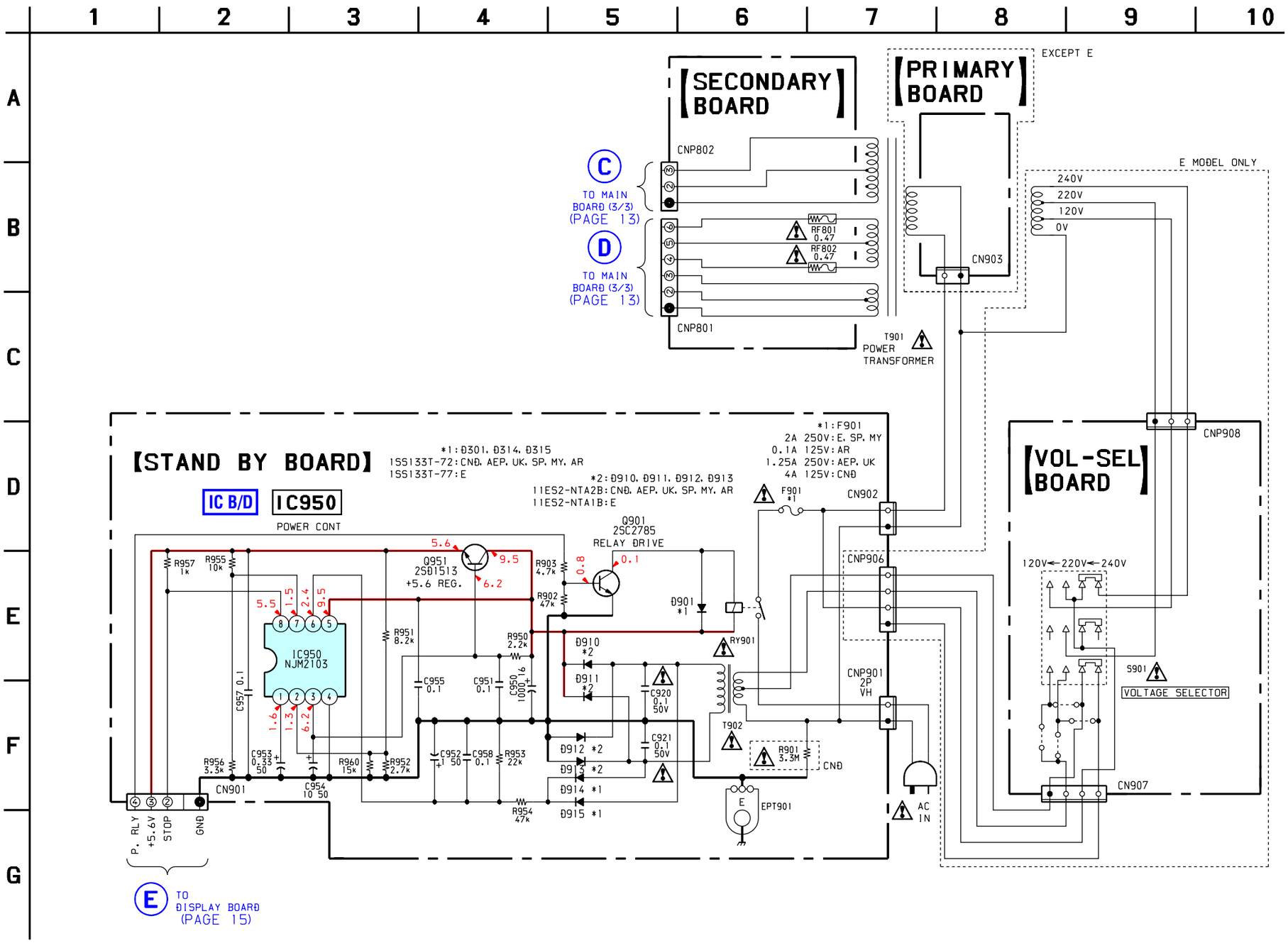
3-8. SCHEMATIC DIAGRAM – PANEL SECTION –



3-9. PRINTED WIRING BOARD – POWER SECTION –

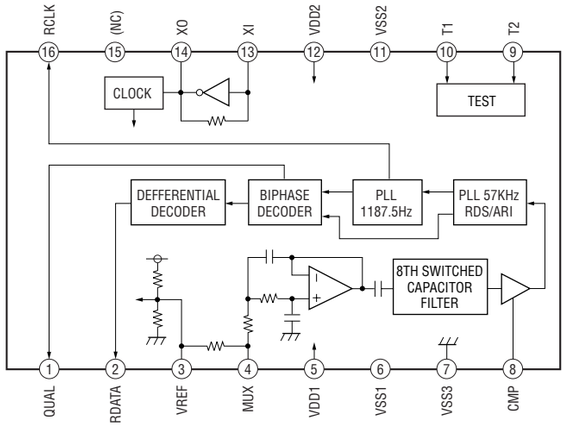


3-10. SCHEMATIC DIAGRAM – POWER SECTION –

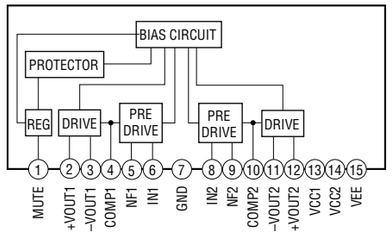


3-11. IC BLOCK DIAGRAMS

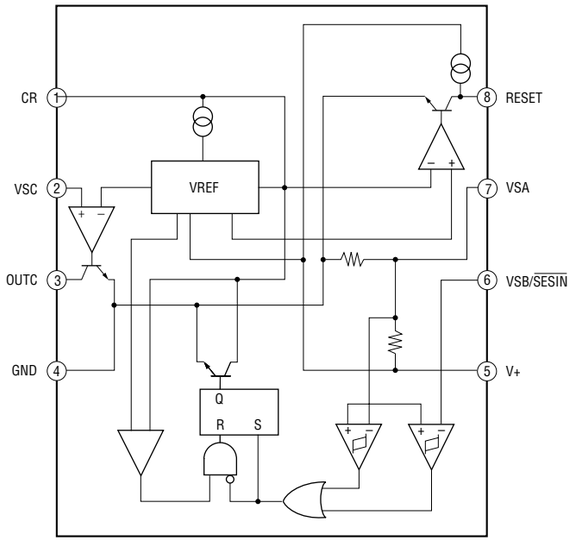
IC1 BU1924 (MAIN BAORD)



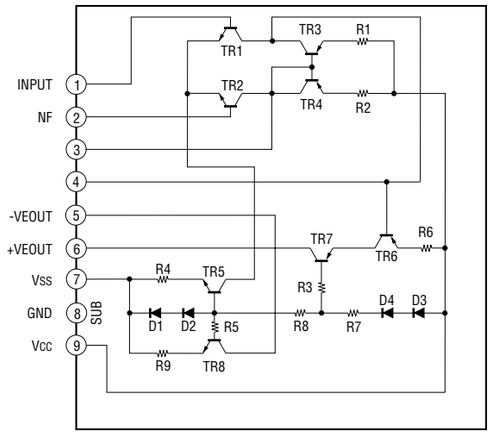
IC701, IC702 uPC2581V (MAIN BOARD)



IC950 NJM2103 (POWER BOARD)



IC501 STK350-230 (MAIN BOARD)



3-12. IC PIN FUNCTION DESCRIPTION

IC103 µPD780206GF-092-3BA (DISPLAY BOARD)

Pin No.	Pin Name	I/O	Description
1	VDD +5V	I	Power supply to µ-com
2	S1	O	Control Video IC switching (Not used)
3	S2	O	Control Video IC switching (Not used)
4	IC.MUTE	O	Control mute of Video IC (Not used)
5	P34	—	Not used
6	P33	—	Not used
7	S.DATA (M61501FP)	O	Volume IC data
8	S.CLK (M61501FP)	O	Volume IC clock
9	S.CE (M61501FP)	O	Volume IC enable
10	$\overline{\text{RESET}}$	I	Read µ-com reset signal
11	X2	—	Connection to a crystal resonator
12	X1	—	Connection to a crystal resonator
13	VSS	—	Programming pow. supply (Cnnected to ground)
14	—	—	Not used
15	RDS.DATA.IN	I	Read decoded RDS data
16	VDD +5V	—	Power supply to µ-com
17	$\overline{\text{S.CE (LV1050M)}}$	O	Chip enable for ICs
18	$\overline{\text{S.CLK(DOLBY.TUNER)}}$	O	Output clock signal
19	$\overline{\text{S.DATA(DOLBY.TUNER)}}$	O	Output data signal
20	S.CE (TUNER)	O	Chip enable for ICs
21	$\overline{\text{AUTO-STOP}}$	I	Tuner has tuned to a freq.
22	T.MUTE	O	Muting tuner during scanning
23	$\overline{\text{STEREO-IN}}$	I	Tuned freq. has stereo
24	$\overline{\text{PLL.DATA}}$	I	Input tuner freq. data
25	AVSS	—	Analog ground
26	$\overline{\text{SIRCS}}$	I	Read remote sensor signal
27	P16	—	Not used
28	SIGNAL	I	Detect RDS signal level
29	VERSION	I	Read version setting
30	A/D IV	I	Read key push signal
31	A/D III	I	Read key push signal
32	A/D II	I	Read key push signal
33	A/D I	I	Read key push signal
34	AVDD +5.0V	—	Analog Power Supply
35	AVREF	—	Analog reference voltage
36	P03	—	Not used
37	P02	—	Not used
38	RDS.CLK.IN	I	Read decoded RDS clock
39	$\overline{\text{STOP}}$	I	Read signal when AC off
40	VSS	—	µ-com ground
41	P74	—	Not used
42	P73	—	Not used
43	P72	—	Not used
44	P71	—	Not used
45	MUTING LED	O	Control MUTING LED
46	VDD +5.0V	—	Power supply to µ-com
47	$\overline{\text{PROTECT}}$	I	Detect Protector Status
48	POWER-RY	O	Control Power relay
49	ENCODER	I	Read volume encoder changing
50	ENCODER	I	Read volume encoder changing

Pin No.	Pin Name	I/O	Description
51	REAR-RY	O	Control rear relay on/off
52	CTR-RY	O	Control center relay
53	FRONT-RY	O	Control speaker relay
54	H/P-RY	O	Control Headphone relay
55	WOOFER RY	O	Control Woofer relay
56	$\overline{\text{SYS.POWER}}$	I	Detect power switch key
57	P115	—	Not used
58	P114	—	Not used
59	FUNC.MUTE	O	Control muting circuit
60	P112	—	Not used
61	HP SW	I	Detect headphone insert
62	P110	—	Not used
63	SET UP LED	O	Control Setup LED
64	NAME LED	O	Control Name LED
65	LEVEL LED	O	Control LEVEL LED
66	SURR LED	O	Control SURR LED
67	P103	—	Not used
68	S.FIELD LED	O	Control SF LED
69	B.B. LED	O	Control Bass Boost LED (Not used)
70	P100	—	Not used
71 – 74	P97 – P94	—	Not used
75 – 78	S15 – S12	O	Output signal to FL tube
79	VLOAD	I	Negative power supply
80 – 90	S11 – S1	O	Output signal to FL tube
91 – 100	DIG10 – DIG1	O	Output signal to FL tube

SECTION 4
EXPLODED VIEWS

NOTE:

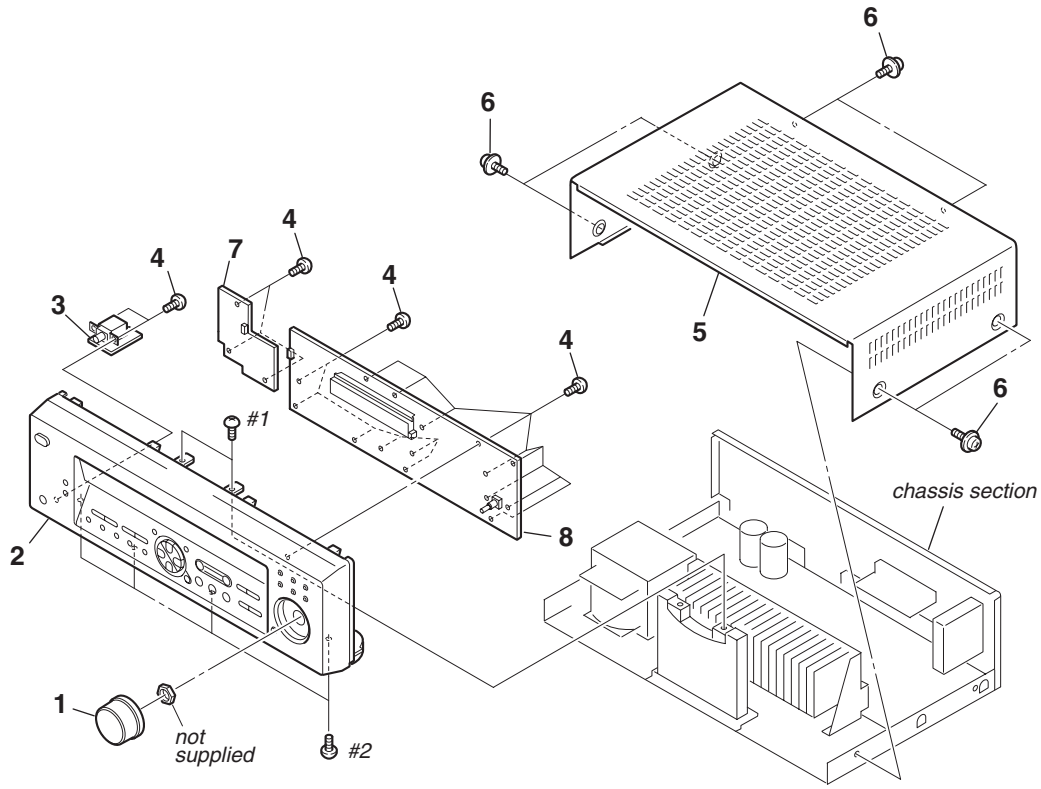
- -XX, -X mean standardized parts, so they may have some differences from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- The mechanical parts with no reference number in the exploded views are not supplied.
- Hardware (# mark) list and accessories and packing materials are given in the last of this parts list.

- Color Indication of Appearance Parts Example:
  KNOB, BALANCE (WHITE) . . . (RED)
  ↑ ↑
  Parts of Color Cabinet's Color
- Abbreviation
  CND : Canadian model
  MY : Malaysia model
  SP : Singapore model
  AR : Argentina model

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

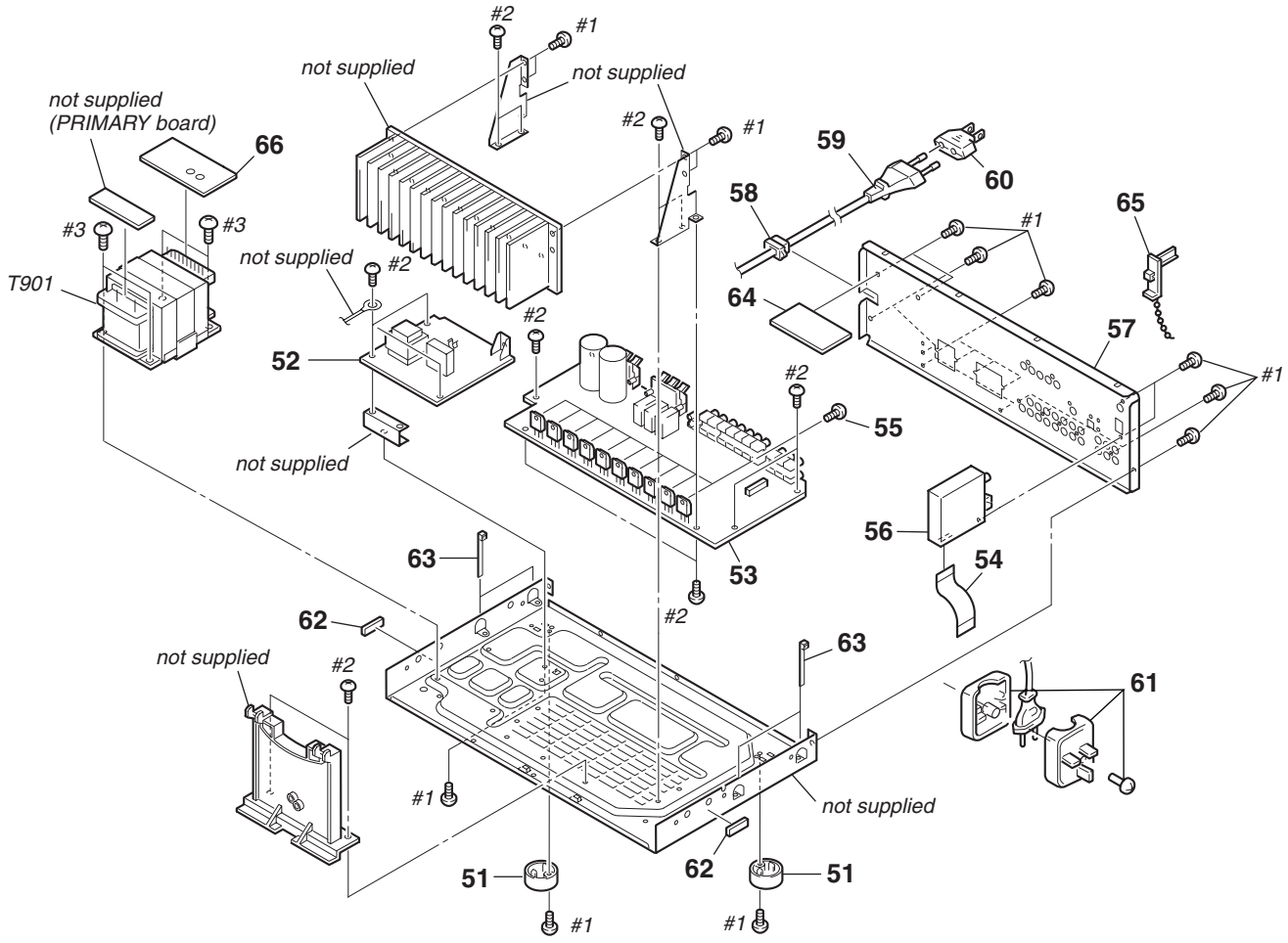
4-1. FRONT PANEL SECTION



Ref. No.	Part No.	Description	Remarks
1	4-232-113-01	KNOB (VOL) (BLACK)	
1	4-232-113-11	KNOB (VOL) (SILVER)	
2	X-4953-358-1	FRONT PANEL ASSY (BLACK)(AEP,UK)	
2	X-4953-433-1	FRONT PANEL ASSY (SILVER)(AEP,UK)	
2	X-4953-434-1	FRONT PANEL ASSY (BLACK)(E,SP,MY)	
2	X-4953-688-1	FRONT PANEL ASSY (BLACK)(CND)	
2	X-4953-763-1	FRONT PANEL ASSY (SILVER)(AR)	
3	1-680-496-11	HEADPHONE BOARD	
4	4-951-620-01	SCREW (2.6X8), +BVTP	
5	4-232-118-01	CASE (BLACK)	

Ref. No.	Part No.	Description	Remarks
5	4-232-118-21	CASE (SILVER)	
6	4-210-291-01	SCREW (CASE 3 TP2) (BLACK)	
6	4-210-291-11	SCREW (CASE 3 TP2) (SILVER)	
7	1-680-497-11	POWER SWITCH BOARD	
8	A-4475-762-A	DISPLAY BOARD,COMPLETE (AEP, UK)	
8	A-4475-856-A	DISPLAY BOARD,COMPLETE (SP,MY)	
8	A-4475-858-A	DISPLAY BOARD,COMPLETE (E,AR)	
8	A-4476-443-A	DISPLAY BOARD,COMPLETE (CND)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#2	7-685-645-79	SCREW +BVTP 3X6 TYPE2 N-S	

4-2. CHASSIS SECTION



Ref. No.	Part No.	Description	Remarks
51	4-232-237-01	FOOT (DIA. 30)	
52	A-4475-758-A	STAND BOARD,COMPLETE (AEP,UK,SP,MY,AR)	
52	A-4475-857-A	STAND BY BOARD,COMPLETE (E)	
52	A-4476-441-A	STANDBY BOARD,COMPLETE (CND)	
53	A-4475-757-A	MAIN BOARD,COMPLETE (AEP,UK)	
53	A-4475-854-A	MAIN BOARD,COMPLETE (E,SP,MY,AR)	
53	A-4476-442-A	MAIN BOARD,COMPLETE (CND)	
54	1-773-009-11	WIRE (FLAT TYPE) (15 CORE)	
55	3-905-609-01	SCREW (TRANSISTOR)	
56	1-693-407-21	TUNER (CND,E,AR)	
56	1-693-408-41	TUNER (AEP,UK,SP,MY)	
57	4-232-119-01	BACK PANEL (DE3) (AEP)	
57	4-232-119-11	BACK PANEL (DE3) (UK)	
57	4-232-119-31	BACK PANEL (DE3) (SP,MY)	
57	4-232-119-41	BACK PANEL (DE3) (E)	
57	4-232-119-51	BACK PANEL (DE4) (CND)	
57	4-232-119-71	BACK PANEL (DE3) (AR)	
58	3-703-244-00	BUSHING (FBS001), CORD	

Ref. No.	Part No.	Description	Remarks
⚠59	1-777-071-21	CORD, POWER (AEP,UK,E,SP,MY)	
⚠59	1-783-820-11	CORD, POWER (CND)	
⚠59	1-783-941-11	CORD, POWER (AR)	
⚠60	1-569-008-21	ADAPTOR, CONVERSION 2P (E)	
⚠61	1-770-019-11	ADAPTOR, CONVERSION PLUG 3P (UK)	
62	4-921-941-01	CUSHION	
63	3-701-748-00	CLAMP	
64	1-680-495-11	VOL-SEL BOARD (E)	
65	4-956-370-02	BAND, PLUG FIXED(UK)	
66	1-680-493-11	SECONDARY BOARD (E)	
⚠T901	1-435-268-11	TRANSFORMER, POWER (AR)	
⚠T901	1-435-269-11	TRANSFORMER, POWER (E)	
⚠T901	1-435-896-11	TRANSFORMER, POWER (AEP,UK)	
⚠T901	1-437-285-11	TRANSFORMER, POWER (SP,MY)	
⚠T901	1-437-286-11	POWER TRANSFORMER (CND)	
#1	7-685-646-79	SCREW +BVTP 3X8 TYPE2 IT-3	
#2	7-685-645-79	SCREW +BVTP 3X6 TYPE2 N-S	
#3	7-685-880-09	SCREW +BVTT 4X6 (S)	

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

DISPLAY

SECTION 5
ELECTRICAL PARTS LIST

NOTE:

- Due to standardization, replacements in the parts list may be different from the parts specified in the diagrams or the components used on the set.
- -XX, -X mean standardized parts, so they may have some difference from the original one.
- Items marked "*" are not stocked since they are seldom required for routine service. Some delay should be anticipated when ordering these items.
- CAPACITORS:
  uF: µF
- RESISTORS
  All resistors are in ohms.
  METAL: metal-film resistor
  METAL OXIDE: Metal Oxide-film resistor
  F: nonflammable
- COILS
  uH: µH
- SEMICONDUCTORS
  In each case, u: µ, for example:
  uA...: µA... , uPA... , µPA... ,
  uPB... , µPB... , uPC... , µPC... ,
  uPD..., µPD...
- Abbreviation
  CND : Canadian model
  MY : Malaysia model
  SP : Singapore model
  AR : Argentina model

When indicating parts by reference number, please include the board name.

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety.
Replace only with part number specified.

Les composants identifiés par une marque ⚠ sont critiques pour la sécurité.
Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description			Remarks
	A-4476-443-A	DISPLAY BOARD, COMPLETE (CND)			
		**********			
	A-4475-856-A	DISPLAY BOARD, COMPLETE (SP,MY)			
		**********			
	A-4475-858-A	DISPLAY BOARD, COMPLETE (E,AR)			
		**********			
	A-4475-762-A	DISPLAY BOARD, COMPLETE (AEP,UK)			
		**********			
*	4-921-941-01	CUSHION (FL)			
	4-943-107-11	HOLDER (FL TUBE)			
		< CAPACITOR >			
C201	1-104-905-11	CAPACITOR	0.22F		5.5V
C202	1-164-159-11	CERAMIC	0.1uF		50V
C203	1-126-795-11	ELECT	10uF	20.00%	50V
C204	1-164-159-11	CERAMIC	0.1uF		50V
C205	1-128-821-31	CERAMIC	1000PF	5%	50V
C206	1-164-159-11	CERAMIC	0.1uF		50V
C207	1-164-159-11	CERAMIC	0.1uF		50V
C208	1-124-465-00	ELECT	0.47uF	20%	50V
C210	1-127-876-31	CERAMIC	0.01uF	10%	50V
C211	1-127-876-31	CERAMIC	0.01uF	10%	50V
C212	1-164-159-11	CERAMIC	0.1uF		50V
C213	1-164-159-11	CERAMIC	0.1uF		50V
		< CONNECTOR >			
CNS202	1-691-767-11	PLUG (MICRO CONNECTOR) 5P			
CNS203	1-794-002-11	CONNECTOR 13P (CND,E,SP,MY,AR)			
CNS203	1-794-003-11	CONNECTOR 15P (AEP,UK)			
CNS204	1-564-593-11	PLUG, CONNECTOR 14P			
		< DIODE >			
D201	8-719-911-19	DIODE 1SS133T-72			
D202	8-719-911-19	DIODE 1SS133T-72			
D203	8-719-911-19	DIODE 1SS133T-72			
D204	8-719-911-19	DIODE 1SS133T-72			
D210	8-719-046-39	DIODE SEL5821A-TP15			
D211	8-719-046-39	DIODE SEL5821A-TP15			
D212	8-719-046-39	DIODE SEL5821A-TP15			
D213	8-719-046-39	DIODE SEL5821A-TP15			
D215	8-719-046-39	DIODE SEL5821A-TP15 (CND,AEP,UK,SP,MY)			
D215	8-719-046-38	DIODE SEL5820A-TH8F (E,AR)			
		< FILTER >			
FL201	1-517-662-11	INDICATOR TUBE, FLUORESCENT			

Ref. No.	Part No.	Description			Remarks
		< IC >			
IC103	8-759-830-21	IC uPD780206GF-092-3BA			
IC203	8-749-011-22	IC GP1U27X			
		< COIL >			
L201	1-410-509-11	INDUCTOR	10uH		
		< TRANSISTOR >			
Q201	8-729-900-63	TRANSISTOR	BN1F4M-TP		
Q202	8-729-900-36	TRANSISTOR	BA1F4M-TP		
Q210	8-729-900-36	TRANSISTOR	BA1F4M-TP		
Q211	8-729-900-36	TRANSISTOR	BA1F4M-TP		
Q212	8-729-900-36	TRANSISTOR	BA1F4M-TP		
Q213	8-729-900-36	TRANSISTOR	BA1F4M-TP		
Q215	8-729-900-36	TRANSISTOR	BA1F4M-TP		
		< RESISTOR >			
R200	1-249-433-11	CARBON	22K	5%	1/4W
R201	1-249-433-11	CARBON	22K	5%	1/4W
R202	1-249-429-11	CARBON	10K	5%	1/4W
R203	1-249-429-11	CARBON	10K	5%	1/4W
R204	1-249-429-11	CARBON	10K	5%	1/4W
R205	1-249-441-11	CARBON	100K	5%	1/4W
R206	1-249-429-11	CARBON	10K	5%	1/4W
R207	1-249-429-11	CARBON	10K	5%	1/4W
R208	1-249-429-11	CARBON	10K	5%	1/4W
R209	1-249-417-11	CARBON	1K	5%	1/4W F
R210	1-249-429-11	CARBON	10K	5%	1/4W
R211	1-249-429-11	CARBON	10K	5%	1/4W
R213	1-249-429-11	CARBON	10K	5%	1/4W
R214	1-249-429-11	CARBON	10K	5%	1/4W
R215	1-249-429-11	CARBON	10K	5%	1/4W
R216	1-249-429-11	CARBON	10K	5%	1/4W (CND)
R216	1-249-433-11	CARBON	22K	5%	1/4W (SP,MY)
R216	1-249-435-11	CARBON	33K	5%	1/4W (E,AR)
R217	1-247-843-11	CARBON	3.3K	5%	1/4W (CND)
R217	1-249-421-11	CARBON	2.2K	5%	1/4W F (SP,MY)
R217	1-249-427-11	CARBON	6.8K	5%	1/4W F (E,AR)
R218	1-249-429-11	CARBON	10K	5%	1/4W

Ref. No.	Part No.	Description			Remarks
R219	1-249-429-11	CARBON	10K	5%	1/4W
R220	1-249-407-11	CARBON	150	5%	1/4W F
R221	1-249-407-11	CARBON	150	5%	1/4W F
R222	1-249-407-11	CARBON	150	5%	1/4W F
R224	1-249-429-11	CARBON	10K	5%	1/4W (CND,E,SP,MY,AR)
R225	1-249-429-11	CARBON	10K	5%	1/4W (CND,E,SP,MY,AR)
R226	1-249-429-11	CARBON	10K	5%	1/4W (CND,E,SP,MY,AR)
R227	1-249-425-11	CARBON	4.7K	5%	1/4W F
R228	1-249-427-11	CARBON	6.8K	5%	1/4W F
R229	1-249-427-11	CARBON	6.8K	5%	1/4W F
R230	1-249-427-11	CARBON	6.8K	5%	1/4W F
R231	1-249-427-11	CARBON	6.8K	5%	1/4W F
R232	1-249-411-11	CARBON	330	5%	1/4W
R233	1-249-413-11	CARBON	470	5%	1/4W F
R234	1-249-415-11	CARBON	680	5%	1/4W F
R235	1-249-417-11	CARBON	1K	5%	1/4W F
R236	1-249-419-11	CARBON	1.5K	5%	1/4W F
R237	1-249-421-11	CARBON	2.2K	5%	1/4W F
R238	1-247-843-11	CARBON	3.3K	5%	1/4W
R240	1-249-411-11	CARBON	330	5%	1/4W
R241	1-249-413-11	CARBON	470	5%	1/4W F
R242	1-249-415-11	CARBON	680	5%	1/4W F
R243	1-249-417-11	CARBON	1K	5%	1/4W F
R244	1-249-419-11	CARBON	1.5K	5%	1/4W F
R245	1-249-421-11	CARBON	2.2K	5%	1/4W F
R246	1-247-843-11	CARBON	3.3K	5%	1/4W
R247	1-249-425-11	CARBON	4.7K	5%	1/4W F
R248	1-249-411-11	CARBON	330	5%	1/4W
R249	1-249-413-11	CARBON	470	5%	1/4W F
R250	1-249-415-11	CARBON	680	5%	1/4W F
R251	1-249-417-11	CARBON	1K	5%	1/4W F
R252	1-249-419-11	CARBON	1.5K	5%	1/4W F
R253	1-249-421-11	CARBON	2.2K	5%	1/4W F
R254	1-247-843-11	CARBON	3.3K	5%	1/4W
R255	1-249-425-11	CARBON	4.7K	5%	1/4W F
R256	1-249-411-11	CARBON	330	5%	1/4W
R257	1-249-413-11	CARBON	470	5%	1/4W F
R258	1-249-415-11	CARBON	680	5%	1/4W F
R259	1-249-417-11	CARBON	1K	5%	1/4W F
R260	1-249-419-11	CARBON	1.5K	5%	1/4W F
R261	1-249-421-11	CARBON	2.2K	5%	1/4W F
R262	1-249-429-11	CARBON	10K	5%	1/4W
R263	1-249-429-11	CARBON	10K	5%	1/4W
R265	1-249-429-11	CARBON	10K	5%	1/4W
R266	1-249-429-11	CARBON	10K	5%	1/4W
R267	1-249-429-11	CARBON	10K	5%	1/4W
R268	1-249-429-11	CARBON	10K	5%	1/4W
R269	1-249-437-11	CARBON	47K	5%	1/4W
R270	1-247-807-31	CARBON	100	5%	1/4W
R271	1-247-807-31	CARBON	100	5%	1/4W
R272	1-247-807-31	CARBON	100	5%	1/4W
R273	1-247-807-31	CARBON	100	5%	1/4W
R274	1-247-807-31	CARBON	100	5%	1/4W
R275	1-247-807-31	CARBON	100	5%	1/4W (AEP,UK)

Ref. No.	Part No.	Description			Remarks
R276	1-249-429-11	CARBON	10K	5%	1/4W
R277	1-249-429-11	CARBON	10K	5%	1/4W
R278	1-249-429-11	CARBON	10K	5%	1/4W
R279	1-249-429-11	CARBON	10K	5%	1/4W
R284	1-249-429-11	CARBON	10K	5%	1/4W
R285	1-249-429-11	CARBON	10K	5%	1/4W
R286	1-249-429-11	CARBON	10K	5%	1/4W
⚠R298	1-249-381-11	CARBON	1	5%	1/4W F
⚠R299	1-249-381-11	CARBON	1	5%	1/4W F
RD101	1-249-439-11	CARBON	68K	5%	1/4W
RD102	1-249-439-11	CARBON	68K	5%	1/4W
RD103	1-249-439-11	CARBON	68K	5%	1/4W
RD104	1-249-439-11	CARBON	68K	5%	1/4W
RD105	1-249-439-11	CARBON	68K	5%	1/4W
RD106	1-249-439-11	CARBON	68K	5%	1/4W
RD107	1-249-439-11	CARBON	68K	5%	1/4W
RD108	1-249-439-11	CARBON	68K	5%	1/4W
RD109	1-249-439-11	CARBON	68K	5%	1/4W
RD110	1-249-439-11	CARBON	68K	5%	1/4W
RD111	1-249-439-11	CARBON	68K	5%	1/4W
RD112	1-249-439-11	CARBON	68K	5%	1/4W
RD113	1-249-439-11	CARBON	68K	5%	1/4W
RD114	1-249-439-11	CARBON	68K	5%	1/4W
RD115	1-249-439-11	CARBON	68K	5%	1/4W
RD116	1-249-439-11	CARBON	68K	5%	1/4W
RD117	1-249-439-11	CARBON	68K	5%	1/4W
RD118	1-249-439-11	CARBON	68K	5%	1/4W
RD119	1-249-439-11	CARBON	68K	5%	1/4W
RD120	1-249-439-11	CARBON	68K	5%	1/4W
RD121	1-249-439-11	CARBON	68K	5%	1/4W
RD122	1-249-439-11	CARBON	68K	5%	1/4W
RD123	1-249-439-11	CARBON	68K	5%	1/4W
RD124	1-249-439-11	CARBON	68K	5%	1/4W
RD125	1-249-439-11	CARBON	68K	5%	1/4W
		< VARIABLE RESISTOR >			
RV201	1-418-773-11	ENCODER, ROTARY (MASTER VOLUME)			
		< SWITCH >			
S202	1-762-875-21	SWITCH, TACTILE (LEVEL)			
S203	1-762-875-21	SWITCH, TACTILE (MODE +)			
S204	1-762-875-21	SWITCH, TACTILE (MODE -)			
S205	1-762-875-21	SWITCH, TACTILE (MD/TAPE)			
S206	1-762-875-21	SWITCH, TACTILE (VIDEO)			
S207	1-762-875-21	SWITCH, TACTILE (DVD/MULTI CH)			
S208	1-762-875-21	SWITCH, TACTILE (TV/SAT)			
S211	1-762-875-21	SWITCH, TACTILE (MENU <)			
S212	1-762-875-21	SWITCH, TACTILE (MENU -)			
S213	1-762-875-21	SWITCH, TACTILE (TREBLE +)			
S214	1-762-875-21	SWITCH, TACTILE (TREBLE -)			
S215	1-762-875-21	SWITCH, TACTILE (BASS +)			
S216	1-762-875-21	SWITCH, TACTILE (BASS -)			
S217	1-762-875-21	SWITCH, TACTILE (TUNER)			
S218	1-762-875-21	SWITCH, TACTILE (CD)			

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

DISPLAY | HEADPHONE | MAIN

Ref. No.	Part No.	Description	Remarks
S219	1-762-875-21	SWITCH, TACTILE (SF ON/OFF)	
S220	1-762-875-21	SWITCH, TACTILE (SUR)	
S221	1-762-875-21	SWITCH, TACTILE (MENU >)	
S222	1-762-875-21	SWITCH, TACTILE (MENU +)	
S223	1-762-875-21	SWITCH, TACTILE (ENTER)	
S224	1-762-875-21	SWITCH, TACTILE (NAME)	
S225	1-762-875-21	SWITCH, TACTILE (SET UP)	
S226	1-762-875-21	SWITCH, TACTILE (PRESET/PTY SELECT -)	
S227	1-762-875-21	SWITCH, TACTILE (TUNING -)	
S228	1-762-875-21	SWITCH, TACTILE (FM/AM)	
S229	1-762-875-21	SWITCH, TACTILE (PTY)	
S231	1-762-875-21	SWITCH, TACTILE (MUTING)	
S232	1-762-875-21	SWITCH, TACTILE (FM MODE)	
S233	1-762-875-21	SWITCH, TACTILE (PRESET/PTY SELECT +)	
S234	1-762-875-21	SWITCH, TACTILE (TUNING +)	
S235	1-762-875-21	SWITCH, TACTILE (SHIFT)	
S236	1-762-875-21	SWITCH, TACTILE (MEMORY)	
		< VIBRATOR >	
X201	1-579-233-11	VIBRATOR, CERAMIC 5.00MHz	
**********			
	1-680-496-11	HEADPHONE BOARD	
		**********	
		< CONNECTOR >	
CNP201	1-564-505-11	PLUG, CONNECTOR 2P	
CNP202	1-691-765-11	PLUG (MICRO CONNECTOR) 3P	
		< DIODE >	
D206	8-719-084-16	DIODE RD5.6F-T8B2	
		< JACK >	
J200	1-815-314-21	JACK (PHONES)	
**********			
	A-4476-442-A	MAIN BOARD, COMPLETE (CND)	
		**********	
	A-4475-757-A	MAIN BOARD, COMPLETE (AEP,UK)	
		**********	
	A-4475-854-A	MAIN BOARD, COMPLETE (E,SP,MY,AR)	
		**********	
		< CAPACITOR >	
C3	1-128-817-11	CERAMIC 470PF 5% 50V (AEP,UK)	
C4	1-126-795-11	ELECT 10uF 20.00% 50V (AEP,UK)	
C5	1-164-159-11	CERAMIC 0.1uF 50V (AEP,UK)	
C6	1-128-821-31	CERAMIC 1000PF 5% 50V (AEP,UK)	
C7	1-128-805-11	CERAMIC 47PF 5% 50V (AEP,UK)	
C8	1-128-805-11	CERAMIC 47PF 5% 50V (AEP,UK)	
C9	1-126-795-11	ELECT 10uF 20.00% 50V (AEP,UK)	
C10	1-164-159-11	CERAMIC 0.1uF 50V (AEP,UK)	
C301	1-136-165-00	FILM 0.1uF 5.00% 50V	
C302	1-124-465-00	ELECT 0.47uF 20% 50V	

Ref. No.	Part No.	Description	Remarks
C303	1-126-794-11	ELECT 4.7uF 20.00% 50V	
C304	1-124-465-00	ELECT 0.47uF 20% 50V	
C305	1-126-794-11	ELECT 4.7uF 20.00% 50V	
C306	1-136-167-00	FILM 0.15uF 5.00% 50V	
C307	1-126-962-11	ELECT 3.3uF 20.00% 50V	
C308	1-136-167-00	FILM 0.15uF 5.00% 50V	
C309	1-136-167-00	FILM 0.15uF 5.00% 50V	
C310	1-126-962-11	ELECT 3.3uF 20.00% 50V	
C311	1-136-167-00	FILM 0.15uF 5.00% 50V	
C312	1-126-794-11	ELECT 4.7uF 20.00% 50V	
C313	1-124-465-00	ELECT 0.47uF 20% 50V	
C314	1-126-794-11	ELECT 4.7uF 20.00% 50V	
C315	1-124-465-00	ELECT 0.47uF 20% 50V	
C316	1-136-165-00	FILM 0.1uF 5.00% 50V	
C317	1-136-165-00	FILM 0.1uF 5.00% 50V	
C318	1-126-795-11	ELECT 10uF 20.00% 50V	
C319	1-126-795-11	ELECT 10uF 20.00% 50V	
C320	1-126-795-11	ELECT 10uF 20.00% 50V	
C321	1-126-795-11	ELECT 10uF 20.00% 50V	
C322	1-126-934-11	ELECT 220uF 20.00% 10V	
C323	1-126-934-11	ELECT 220uF 20.00% 10V	
C325	1-126-961-11	ELECT 2.2uF 20.00% 50V	
C326	1-126-934-11	ELECT 220uF 20.00% 10V	
C327	1-164-159-11	CERAMIC 0.1uF 50V	
C328	1-126-795-11	ELECT 10uF 20.00% 50V	
C329	1-126-795-11	ELECT 10uF 20.00% 50V	
C330	1-126-795-11	ELECT 10uF 20.00% 50V	
C331	1-126-795-11	ELECT 10uF 20.00% 50V	
C332	1-124-252-00	ELECT 0.33uF 20% 50V	
C333	1-124-465-00	ELECT 0.47uF 20% 50V	
C334	1-126-934-11	ELECT 220uF 20.00% 10V	
C335	1-164-159-11	CERAMIC 0.1uF 50V	
C336	1-136-177-00	MYLAR 1uF 5.00% 50V	
C337	1-136-177-00	MYLAR 1uF 5.00% 50V	
C338	1-136-165-00	FILM 0.1uF 5.00% 50V	
C339	1-136-165-00	FILM 0.1uF 5.00% 50V	
C340	1-136-165-00	FILM 0.1uF 5.00% 50V	
C341	1-126-961-11	ELECT 2.2uF 20.00% 50V	
C342	1-126-961-11	ELECT 2.2uF 20.00% 50V	
C343	1-126-961-11	ELECT 2.2uF 20.00% 50V	
C344	1-126-961-11	ELECT 2.2uF 20.00% 50V	
C345	1-137-372-11	MYLAR 0.022uF 5.00% 50V	
C346	1-128-809-11	CERAMIC 100PF 5% 50V	
C347	1-128-809-11	CERAMIC 100PF 5% 50V	
C348	1-126-961-11	ELECT 2.2uF 20.00% 50V	
C349	1-130-494-11	MYLAR 0.082uF 5% 50V	
C350	1-137-367-11	MYLAR 0.0033uF 5.00% 50V	
C351	1-130-494-11	MYLAR 0.082uF 5% 50V	
C352	1-126-934-11	ELECT 220uF 20.00% 10V	
C353	1-164-159-11	CERAMIC 0.1uF 50V	
C354	1-101-882-00	CERAMIC 51PF 5.00% 50V	
C355	1-128-809-11	CERAMIC 100PF 5% 50V	
C356	1-128-805-11	CERAMIC 47PF 5% 50V	
C357	1-162-203-31	CERAMIC 15PF 5.00% 50V	
C358	1-128-809-11	CERAMIC 100PF 5% 50V	
C359	1-130-469-00	MYLAR 680PF 5% 50V	
C360	1-136-161-00	FILM 0.047uF 5.00% 50V	
C361	1-137-372-11	MYLAR 0.022uF 5.00% 50V	
C362	1-136-173-00	MYLAR 0.47uF 5.00% 50V	
C363	1-104-664-11	ELECT 47uF 20.00% 25V	

Ref. No.	Part No.	Description			Remarks
C364	1-126-961-11	ELECT	2.2uF	20.00%	50V
C365	1-126-961-11	ELECT	2.2uF	20.00%	50V
C366	1-126-961-11	ELECT	2.2uF	20.00%	50V
C367	1-136-165-00	FILM	0.1uF	5.00%	50V
C368	1-164-159-11	CERAMIC	0.1uF		50V
C371	1-164-159-11	CERAMIC	0.1uF		50V
C372	1-164-159-11	CERAMIC	0.1uF		50V
C373	1-164-159-11	CERAMIC	0.1uF		50V
C374	1-164-159-11	CERAMIC	0.1uF		50V
C375	1-164-159-11	CERAMIC	0.1uF		50V
C376	1-164-159-11	CERAMIC	0.1uF		50V
C401	1-126-795-11	ELECT	10uF	20.00%	50V
C402	1-126-795-11	ELECT	10uF	20.00%	50V
C403	1-126-795-11	ELECT	10uF	20.00%	50V
C404	1-126-795-11	ELECT	10uF	20.00%	50V
C405	1-126-795-11	ELECT	10uF	20.00%	50V
C412	1-130-481-00	MYLAR	0.0068uF	5%	50V
C414	1-130-481-00	MYLAR	0.0068uF	5%	50V
C416	1-136-169-11	FILM	0.22uF	5%	50V
C417	1-136-169-11	FILM	0.22uF	5%	50V
C418	1-137-375-11	MYLAR	0.068uF	5.00%	50V
C419	1-126-794-11	ELECT	4.7uF	20.00%	50V
C420	1-126-795-11	ELECT	10uF	20.00%	50V
C421	1-126-795-11	ELECT	10uF	20.00%	50V
C433	1-128-809-11	CERAMIC	100PF	5%	50V
C434	1-128-813-11	CERAMIC	220PF	5%	50V
C435	1-128-813-11	CERAMIC	220PF	5%	50V
C441	1-164-159-11	CERAMIC	0.1uF		50V
C442	1-164-159-11	CERAMIC	0.1uF		50V
C443	1-164-159-11	CERAMIC	0.1uF		50V
C445	1-164-159-11	CERAMIC	0.1uF		50V
C446	1-164-159-11	CERAMIC	0.1uF		50V
C447	1-164-159-11	CERAMIC	0.1uF		50V
C451	1-126-795-11	ELECT	10uF	20.00%	50V
C452	1-126-795-11	ELECT	10uF	20.00%	50V
C453	1-126-795-11	ELECT	10uF	20.00%	50V
C454	1-126-795-11	ELECT	10uF	20.00%	50V
C455	1-126-795-11	ELECT	10uF	20.00%	50V
C461	1-126-794-11	ELECT	4.7uF	20.00%	50V
C462	1-130-481-00	MYLAR	0.0068uF	5%	50V
C463	1-137-375-11	MYLAR	0.068uF	5.00%	50V
C464	1-130-481-00	MYLAR	0.0068uF	5%	50V
C465	1-126-795-11	ELECT	10uF	20.00%	50V
C466	1-126-794-11	ELECT	4.7uF	20.00%	50V
C467	1-136-169-11	FILM	0.22uF	5%	50V
C468	1-136-169-11	FILM	0.22uF	5%	50V
C470	1-126-795-11	ELECT	10uF	20.00%	50V
C472	1-126-794-11	ELECT	4.7uF	20.00%	50V
C480	1-126-965-11	ELECT	22uF	20.00%	50V
C481	1-126-965-11	ELECT	22uF	20.00%	50V
C482	1-126-965-11	ELECT	22uF	20.00%	50V
C483	1-126-965-11	ELECT	22uF	20.00%	50V
C501	1-126-794-11	ELECT	4.7uF	20.00%	50V
C502	1-128-809-11	CERAMIC	100PF	5%	50V
C503	1-102-989-00	CERAMIC	68PF	5.00%	500V
C504	1-102-989-00	CERAMIC	68PF	5.00%	500V
C505	1-104-665-11	ELECT	100uF	20.00%	10V
C506	1-102-936-00	CERAMIC	3.0PF	+-0.25PF	50V
C510	1-104-664-11	ELECT	47uF	20.00%	25V
C511	1-137-372-11	MYLAR	0.022uF	5.00%	50V

Ref. No.	Part No.	Description			Remarks
C520	1-128-813-11	CERAMIC	220PF	5%	50V
C524	1-126-795-11	ELECT	10uF	20.00%	50V
C526	1-127-876-31	CERAMIC	0.01uF	10%	50V
C601	1-126-794-11	ELECT	4.7uF	20.00%	50V
C603	1-104-665-11	ELECT	100uF	20.00%	10V
C604	1-102-936-00	CERAMIC	3.0PF	+-0.25PF	50V
C605	1-102-233-00	CERAMIC	33PF	10.00%	500V
C606	1-128-815-11	CERAMIC	330PF	5%	50V
C607	1-128-809-11	CERAMIC	100PF	5%	50V
C610	1-104-664-11	ELECT	47uF	20.00%	25V
C611	1-137-372-11	MYLAR	0.022uF	5.00%	50V
C614	1-127-876-31	CERAMIC	0.01uF	10%	50V
					(CND,E,SP,MY,AR)
C620	1-128-813-11	CERAMIC	220PF	5%	50V
C624	1-126-795-11	ELECT	10uF	20.00%	50V
C626	1-127-876-31	CERAMIC	0.01uF	10%	50V
C651	1-126-794-11	ELECT	4.7uF	20.00%	50V
C653	1-104-665-11	ELECT	100uF	20.00%	10V
C655	1-102-233-00	CERAMIC	33PF	10.00%	500V
C657	1-128-809-11	CERAMIC	100PF	5%	50V
C660	1-104-664-11	ELECT	47uF	20.00%	25V
C661	1-137-372-11	MYLAR	0.022uF	5.00%	50V
C670	1-128-813-11	CERAMIC	220PF	5%	50V
C701	1-126-794-11	ELECT	4.7uF	20.00%	50V
C703	1-104-665-11	ELECT	100uF	20.00%	10V
C704	1-102-936-00	CERAMIC	3.0PF	+-0.25PF	50V
C705	1-102-233-00	CERAMIC	33PF	10.00%	500V
C706	1-128-815-11	CERAMIC	330PF	5%	50V
C707	1-128-809-11	CERAMIC	100PF	5%	50V
C710	1-104-664-11	ELECT	47uF	20.00%	25V
C711	1-137-372-11	MYLAR	0.022uF	5.00%	50V
C714	1-127-876-31	CERAMIC	0.01uF	10%	50V
C720	1-128-813-11	CERAMIC	220PF	5%	50V
C721	1-126-934-11	ELECT	220uF	20.00%	10V
C722	1-126-795-11	ELECT	10uF	20.00%	50V
C724	1-126-795-11	ELECT	10uF	20.00%	50V
C726	1-127-876-31	CERAMIC	0.01uF	10%	50V
C734	1-126-795-11	ELECT	10uF	20.00%	50V
C736	1-127-876-31	CERAMIC	0.01uF	10%	50V
C740	1-128-582-11	ELECT	10uF	20.00%	100V
					(CND,E,SP,MY,AR)
C740	1-126-795-11	ELECT	10uF	20.00%	50V
					(AEP,UK)
C741	1-128-582-11	ELECT	10uF	20.00%	100V
					(CND,E,SP,MY,AR)
C741	1-126-795-11	ELECT	10uF	20.00%	50V
					(AEP,UK)
C742	1-126-935-11	ELECT	470uF	20.00%	10V
C743	1-126-935-11	ELECT	470uF	20.00%	10V
C751	1-126-794-11	ELECT	4.7uF	20.00%	50V
C753	1-104-665-11	ELECT	100uF	20.00%	10V
C755	1-102-233-00	CERAMIC	33PF	10.00%	500V
C757	1-128-809-11	CERAMIC	100PF	5%	50V
C760	1-104-664-11	ELECT	47uF	20.00%	25V
C761	1-137-372-11	MYLAR	0.022uF	5.00%	50V
C764	1-127-876-31	CERAMIC	0.01uF	10%	50V
					(AEP,UK)
C770	1-128-813-11	CERAMIC	220PF	5%	50V
C801	1-126-965-11	ELECT	22uF	20.00%	50V
C802	1-126-965-11	ELECT	22uF	20.00%	50V
C803	1-165-498-11	ELECT	4700uF	20%	63V

MAIN

Ref. No.	Part No.	Description			Remarks
C804	1-165-498-11	ELECT	4700uF	20%	63V
C805	1-130-781-00	MYLAR	0.22uF	5.00%	100V
C806	1-130-781-00	MYLAR	0.22uF	5.00%	100V
C807	1-104-664-11	ELECT	47uF	20.00%	25V
C808	1-104-664-11	ELECT	47uF	20.00%	25V
C808	1-124-465-00	ELECT	0.47uF	20%	50V (CND,E,SP,MY,AR)
C810	1-124-465-00	ELECT	0.47uF	20%	50V
C811	1-126-942-11	ELECT	1000uF	20.00%	25V
C812	1-126-951-11	ELECT	470uF	20.00%	35V
C813	1-128-821-31	CERAMIC	1000PF	5%	50V
C814	1-128-821-31	CERAMIC	1000PF	5%	50V
C815	1-126-967-11	ELECT	47uF	20.00%	50V
C816	1-126-951-11	ELECT	470uF	20.00%	35V
C817	1-104-664-11	ELECT	47uF	20.00%	25V
C818	1-124-465-00	ELECT	0.47uF	20%	50V (AEP,UK)
C822	1-126-965-11	ELECT	22uF	20.00%	50V
C826	1-104-664-11	ELECT	47uF	20.00%	25V
C827	1-124-465-00	ELECT	0.47uF	20%	50V
C828	1-124-465-00	ELECT	0.47uF	20%	50V
C829	1-104-664-11	ELECT	47uF	20.00%	25V
CC02	1-128-809-11	CERAMIC	100PF	5%	50V
CC03	1-128-809-11	CERAMIC	100PF	5%	50V
CC04	1-128-809-11	CERAMIC	100PF	5%	50V
CC05	1-128-809-11	CERAMIC	100PF	5%	50V
CC06	1-128-809-11	CERAMIC	100PF	5%	50V
CC07	1-162-282-11	CERAMIC	100PF	10%	50V
CC12	1-127-876-31	CERAMIC	0.01uF	10%	50V
CC14	1-127-876-31	CERAMIC	0.01uF	10%	50V
CC16	1-127-876-31	CERAMIC	0.01uF	10%	50V
CC18	1-127-876-31	CERAMIC	0.01uF	10%	50V
CC20	1-127-876-31	CERAMIC	0.01uF	10%	50V
CC52	1-128-809-11	CERAMIC	100PF	5%	50V
CC53	1-128-809-11	CERAMIC	100PF	5%	50V
CC54	1-128-809-11	CERAMIC	100PF	5%	50V
CC55	1-128-809-11	CERAMIC	100PF	5%	50V
CC56	1-128-809-11	CERAMIC	100PF	5%	50V
CC57	1-128-809-11	CERAMIC	100PF	5%	50V
		< CONNECTOR >			
CN402	1-691-772-11	PLUG (MICRO CONNECTOR) 10P			
CN404	1-794-002-11	CONNECTOR 13P (CND,E,SP,MY,AR)			
CN404	1-794-003-11	CONNECTOR 15P (AEP,UK)			
CN803	1-564-214-11	PIN, CONNECTOR (B3PS-VH) 3P			
CN804	1-564-521-11	PLUG, CONNECTOR 6P			
CNS401	1-569-321-11	SOCKET, CONNECTOR 15P			
		< DIODE >			
D301	8-719-070-77	DIODE SVC201SPA-M1-AC			
D470	8-719-991-33	DIODE 1SS133T-77			
D505	8-719-991-33	DIODE 1SS133T-77			
D506	8-719-991-33	DIODE 1SS133T-77			
D508	8-719-991-33	DIODE 1SS133T-77			
D510	8-719-991-33	DIODE 1SS133T-77			
D605	8-719-991-33	DIODE 1SS133T-77			
D606	8-719-991-33	DIODE 1SS133T-77			
D607	8-719-991-33	DIODE 1SS133T-77			
D608	8-719-991-33	DIODE 1SS133T-77			

Ref. No.	Part No.	Description	Remarks
D610	8-719-991-33	DIODE 1SS133T-77	
D627	8-719-991-33	DIODE 1SS133T-77	
D706	8-719-991-33	DIODE 1SS133T-77	
D710	8-719-991-33	DIODE 1SS133T-77	
D721	8-719-991-33	DIODE 1SS133T-77	
D722	8-719-991-33	DIODE 1SS133T-77	
D725	8-719-991-33	DIODE 1SS133T-77	
D726	8-719-991-33	DIODE 1SS133T-77	
D727	8-719-991-33	DIODE 1SS133T-77	
D728	8-719-991-33	DIODE 1SS133T-77	
D731	8-719-991-33	DIODE 1SS133T-77	
D732	8-719-991-33	DIODE 1SS133T-77	
D734	8-719-991-33	DIODE 1SS133T-77	
D735	8-719-991-33	DIODE 1SS133T-77	
D736	8-719-991-33	DIODE 1SS133T-77	
D757	8-719-991-34	DIODE 1SS133T	
D791	8-719-991-34	DIODE 1SS133T	
D801	8-719-934-13	DIODE HZS24-1LTD	
D802	8-719-072-05	DIODE D5SBA20-4003	
D804	8-719-109-85	DIODE MTZJ-T-77-5.1B	
D820	8-719-200-82	DIODE 11ES2-NTA1B	
D821	8-719-200-82	DIODE 11ES2-NTA1B	
D822	8-719-200-82	DIODE 11ES2-NTA1B	
D823	8-719-200-82	DIODE 11ES2-NTA1B	
D824	8-719-200-82	DIODE 11ES2-NTA1B	
D825	8-719-200-82	DIODE 11ES2-NTA1B	
		< EARTH >	
* G401	1-537-738-21	TERMINAL, EARTH	
* G441	1-537-738-21	TERMINAL, EARTH	
* G442	1-537-738-21	TERMINAL, EARTH	
		< IC >	
IC1	8-759-541-48	IC BU1924 (AEP,UK)	
IC201	8-759-655-38	IC M61501FP	
IC202	8-759-655-37	IC LV1050M	
IC401	8-759-636-74	IC NJM4565DD	
IC501	8-749-011-16	IC STK350-230	
IC701	8-759-326-52	IC uPC2581V	
IC702	8-759-326-52	IC uPC2581V	
IC801	8-759-376-91	IC uPC78M12AHF	
IC802	8-759-604-95	IC M5F79M07L	
IC803	8-759-039-69	IC uPC7805AHF	
IC804	8-759-039-69	IC uPC7805AHF	
IC805	8-759-701-59	IC NJM78M09FA	
IC807	8-759-649-68	IC uPC78M07AHF	
		< JACK >	
J401	1-774-411-11	JACK, PIN 6P (CD IN, MD/TAPE IN, OUT)	
J402	1-770-015-11	JACK, PIN 6P (TV/SAT, VIDEO AUDIO IN, OUT)	
J403	1-774-785-11	JACK, PIN 1P (SUB WOOFER AUDIO OUT)	
J501	1-779-599-11	JACK, PIN 6P (FRONT, SURROUND, CENTER,SUB WOOFER)	
		< COIL >	
L1	1-410-521-11	INDUCTOR 100uH (AEP,UK)	
L301	1-410-509-11	INDUCTOR 10uH	
L302	1-410-509-11	INDUCTOR 10uH	
L521	1-420-872-00	COIL, AIR-CORE 1.7uH	
L601	1-420-872-00	COIL, AIR-CORE 1.7uH	

Ref. No.	Part No.	Description	Remarks
L651	1-420-872-00	COIL, AIR-CORE 1.7uH	
L701	1-420-872-00	COIL, AIR-CORE 1.7uH	
L751	1-420-872-00	COIL, AIR-CORE 1.7uH	
		< TRANSISTOR >	
Q361	8-729-823-22	TRANSISTOR 2SC3576-AC	
Q362	8-729-823-22	TRANSISTOR 2SC3576-AC	
Q363	8-729-823-22	TRANSISTOR 2SC3576-AC	
Q364	8-729-823-22	TRANSISTOR 2SC3576-AC	
Q365	8-729-823-22	TRANSISTOR 2SC3576-AC	
Q366	8-729-823-22	TRANSISTOR 2SC3576-AC	
Q470	8-729-119-78	TRANSISTOR 2SC2785TP-HFE	
Q501	8-729-119-76	TRANSISTOR 2SA1115TP-EF	
Q502	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q503	8-749-010-25	IC MN2488-OPY-M (CND,SP,MY)	
Q503	8-729-020-52	TRANSISTOR 2SD2439-OPY (AEP,UK,E,AR)	
Q504	8-749-010-26	IC MP1620-OPY-M (CND,SP,MY)	
Q504	8-729-020-48	TRANSISTOR 2SB1588-OPY (AEP,UK,E,AR)	
Q505	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q506	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q507	8-729-900-63	TRANSISTOR BN1F4M-TP	
Q509	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	
Q550	8-729-119-78	TRANSISTOR 2SC2785TP-HFE	
Q601	8-729-119-76	TRANSISTOR 2SA1115TP-EF	
Q602	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q603	8-749-010-25	IC MN2488-OPY-M (CND,SP,MY)	
Q603	8-729-020-52	TRANSISTOR 2SD2439-OPY (AEP,UK,E,AR)	
Q604	8-749-010-26	IC MP1620-OPY-M (CND,SP,MY)	
Q604	8-729-020-48	TRANSISTOR 2SB1588-OPY (AEP,UK,E,AR)	
Q605	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q606	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q610	8-729-119-78	TRANSISTOR 2SC2785TP-HFE	
Q651	8-729-119-76	TRANSISTOR 2SA1115TP-EF	
Q652	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q653	8-749-010-25	IC MN2488-OPY-M (CND,SP,MY)	
Q653	8-729-020-52	TRANSISTOR 2SD2439-OPY (AEP,UK,E,AR)	
Q654	8-749-010-26	IC MP1620-OPY-M (CND,SP,MY)	
Q654	8-729-020-48	TRANSISTOR 2SB1588-OPY (AEP,UK,E,AR)	
Q655	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q656	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q657	8-729-900-63	TRANSISTOR BN1F4M-TP	
Q658	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	
Q659	8-729-900-63	TRANSISTOR BN1F4M-TP	
Q701	8-729-119-76	TRANSISTOR 2SA1115TP-EF	
Q702	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q703	8-749-010-25	IC MN2488-OPY-M (CND,SP,MY)	
Q703	8-729-020-52	TRANSISTOR 2SD2439-OPY (AEP,UK,E,AR)	
Q704	8-749-010-26	IC MP1620-OPY-M (CND,SP,MY)	
Q704	8-729-020-48	TRANSISTOR 2SB1588-OPY (AEP,UK,E,AR)	
Q705	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q706	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q707	8-729-900-63	TRANSISTOR BN1F4M-TP	
Q708	8-729-900-63	TRANSISTOR BN1F4M-TP	
Q709	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	
Q715	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	
Q722	8-729-140-84	TRANSISTOR 2SC1841TP-PAFAEA	
Q723	8-729-119-78	TRANSISTOR 2SC2785TP-HFE	
Q725	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q730	8-729-119-78	TRANSISTOR 2SC2785TP-HFE	
Q751	8-729-119-76	TRANSISTOR 2SA1115TP-EF	
Q752	8-729-141-30	TRANSISTOR 2SC3623ATP-LK	
Q753	8-749-010-25	IC MN2488-OPY-M (CND,SP,MY)	
Q753	8-729-020-52	TRANSISTOR 2SD2439-OPY (AEP,UK,E,AR)	
Q754	8-749-010-26	IC MP1620-OPY-M (CND,SP,MY)	
Q754	8-729-020-48	TRANSISTOR 2SB1588-OPY (AEP,UK,E,AR)	
Q755	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q756	8-729-140-82	TRANSISTOR 2SA988TP-PAFAEA	
Q757	8-729-900-63	TRANSISTOR BN1F4M-TP	
Q758	8-729-281-53	TRANSISTOR 2SC1815GR-TPE2	
Q759	8-729-900-63	TRANSISTOR BN1F4M-TP	
Q791	8-729-119-78	TRANSISTOR 2SC2785TP-HFE	
Q801	8-729-140-97	TRANSISTOR 2SB734-T-34	
		< RESISTOR >	
R5	1-249-421-11	CARBON 2.2K 5% 1/4W F (AEP,UK)	
R6	1-247-807-31	CARBON 100 5% 1/4W	
R7	1-247-807-31	CARBON 100 5% 1/4W	
R301	1-249-439-11	CARBON 68K 5% 1/4W	
R302	1-249-436-11	CARBON 39K 5% 1/4W	
R306	1-249-441-11	CARBON 100K 5% 1/4W	
R307	1-249-441-11	CARBON 100K 5% 1/4W	
R308	1-249-436-11	CARBON 39K 5% 1/4W	
R309	1-249-441-11	CARBON 100K 5% 1/4W	
R310	1-249-441-11	CARBON 100K 5% 1/4W	
R330	1-249-441-11	CARBON 100K 5% 1/4W	
R331	1-249-441-11	CARBON 100K 5% 1/4W	
R360	1-249-441-11	CARBON 100K 5% 1/4W	
R361	1-249-425-11	CARBON 4.7K 5% 1/4W F	
R362	1-249-425-11	CARBON 4.7K 5% 1/4W F	
R363	1-249-441-11	CARBON 100K 5% 1/4W	
R364	1-249-441-11	CARBON 100K 5% 1/4W	
R365	1-249-441-11	CARBON 100K 5% 1/4W	
R366	1-249-425-11	CARBON 4.7K 5% 1/4W F	
R367	1-249-441-11	CARBON 100K 5% 1/4W	
R368	1-249-441-11	CARBON 100K 5% 1/4W	
R369	1-249-425-11	CARBON 4.7K 5% 1/4W F	
R370	1-249-425-11	CARBON 4.7K 5% 1/4W F	
R371	1-249-441-11	CARBON 100K 5% 1/4W	
R372	1-249-441-11	CARBON 100K 5% 1/4W	
R373	1-249-417-11	CARBON 1K 5% 1/4W F	
R374	1-249-417-11	CARBON 1K 5% 1/4W F	
R375	1-249-417-11	CARBON 1K 5% 1/4W F	
R376	1-249-417-11	CARBON 1K 5% 1/4W F	
R377	1-249-417-11	CARBON 1K 5% 1/4W F	
R378	1-249-417-11	CARBON 1K 5% 1/4W F	
R379	1-249-425-11	CARBON 4.7K 5% 1/4W F	
R380	1-249-441-11	CARBON 100K 5% 1/4W	
R400	1-249-437-11	CARBON 47K 5% 1/4W	
R402	1-249-417-11	CARBON 1K 5% 1/4W F	
R403	1-249-417-11	CARBON 1K 5% 1/4W F	
R404	1-249-417-11	CARBON 1K 5% 1/4W F	
R405	1-249-417-11	CARBON 1K 5% 1/4W F	
R406	1-249-417-11	CARBON 1K 5% 1/4W F	
R407	1-249-417-11	CARBON 1K 5% 1/4W F	
R408	1-249-421-11	CARBON 2.2K 5% 1/4W	
R409	1-249-417-11	CARBON 1K 5% 1/4W F	
R410	1-249-417-11	CARBON 1K 5% 1/4W F	
R435	1-249-418-11	CARBON 1.2K 5% 1/4W F	
R442	1-249-418-11	CARBON 1.2K 5% 1/4W F	

MAIN

Ref. No.	Part No.	Description			Remarks
R443	1-249-418-11	CARBON	1.2K	5%	1/4W F
R447	1-249-436-11	CARBON	39K	5%	1/4W
R448	1-249-436-11	CARBON	39K	5%	1/4W
R449	1-249-433-11	CARBON	22K	5%	1/4W
R450	1-249-437-11	CARBON	47K	5%	1/4W
R452	1-249-417-11	CARBON	1K	5%	1/4W F
R453	1-249-417-11	CARBON	1K	5%	1/4W F
R454	1-249-417-11	CARBON	1K	5%	1/4W F
R455	1-249-417-11	CARBON	1K	5%	1/4W F
R456	1-249-417-11	CARBON	1K	5%	1/4W F
R457	1-249-417-11	CARBON	1K	5%	1/4W F
R458	1-249-421-11	CARBON	2.2K	5%	1/4W
R459	1-249-417-11	CARBON	1K	5%	1/4W F
R460	1-249-417-11	CARBON	1K	5%	1/4W F
R461	1-249-417-11	CARBON	1K	5%	1/4W F
R462	1-249-417-11	CARBON	1K	5%	1/4W F
R463	1-249-437-11	CARBON	47K	5%	1/4W
R464	1-249-437-11	CARBON	47K	5%	1/4W
R465	1-249-437-11	CARBON	47K	5%	1/4W
R466	1-249-437-11	CARBON	47K	5%	1/4W
R467	1-249-437-11	CARBON	47K	5%	1/4W
R468	1-249-437-11	CARBON	47K	5%	1/4W
R469	1-249-417-11	CARBON	1K	5%	1/4W F
R470	1-249-441-11	CARBON	100K	5%	1/4W
R471	1-249-425-11	CARBON	4.7K	5%	1/4W F
R472	1-249-431-11	CARBON	15K	5%	1/4W
⚠R473	1-249-401-11	CARBON	47	5%	1/4W F
R475	1-249-425-11	CARBON	4.7K	5%	1/4W F
R476	1-249-425-11	CARBON	4.7K	5%	1/4W F
R501	1-249-417-11	CARBON	1K	5%	1/4W F
R502	1-249-439-11	CARBON	68K	5%	1/4W
R503	1-249-413-11	CARBON	470	5%	1/4W F (CND)
R503	1-249-414-11	CARBON	560	5%	1/4W F (E,SP,MY,AR)
R503	1-249-415-11	CARBON	680	5%	1/4W F (AEP,UK)
R504	1-249-411-11	CARBON	330	5%	1/4W
R505	1-249-439-11	CARBON	68K	5%	1/4W
R507	1-249-433-11	CARBON	22K	5%	1/4W
R510	1-249-421-11	CARBON	2.2K	5%	1/4W F
R511	1-249-440-11	CARBON	82K	5%	1/4W
R513	1-249-414-11	CARBON	560	5%	1/4W F
⚠R514	1-249-408-11	CARBON	180	5%	1/4W F
R515	1-249-408-11	CARBON	180	5%	1/4W F
R516	1-234-182-11	ENCAPSULATED COMPONENT			
⚠R517	1-249-393-11	CARBON	10	5%	1/4W F
R520	1-249-425-11	CARBON	4.7K	5%	1/4W F
R521	1-247-850-11	CARBON	6.2K	5%	1/4W
R522	1-249-419-11	CARBON	1.5K	5%	1/4W F
⚠R528	1-249-389-11	CARBON	4.7	5%	1/4W F
R529	1-249-433-11	CARBON	22K	5%	1/4W
R530	1-249-425-11	CARBON	4.7K	5%	1/4W F
R531	1-249-425-11	CARBON	4.7K	5%	1/4W F
R535	1-249-431-11	CARBON	15K	5%	1/4W
⚠R537	1-249-401-11	CARBON	47	5%	1/4W F
R539	1-249-421-11	CARBON	2.2K	5%	1/4W F
R540	1-247-881-00	CARBON	120K	5%	1/4W

Ref. No.	Part No.	Description			Remarks
R541	1-249-431-11	CARBON	15K	5%	1/4W
R573	1-249-437-11	CARBON	47K	5%	1/4W
R601	1-249-417-11	CARBON	1K	5%	1/4W F
R602	1-249-439-11	CARBON	68K	5%	1/4W
R603	1-249-418-11	CARBON	1.2K	5%	1/4W F (CND)
R603	1-249-419-11	CARBON	1.5K	5%	1/4W F (E,SP,MY,AR)
R603	1-249-421-11	CARBON	2.2K	5%	1/4W F (AEP,UK)
R604	1-249-439-11	CARBON	68K	5%	1/4W
R610	1-249-421-11	CARBON	2.2K	5%	1/4W F
R611	1-249-440-11	CARBON	82K	5%	1/4W
R613	1-249-414-11	CARBON	560	5%	1/4W F
⚠R614	1-249-408-11	CARBON	180	5%	1/4W F
⚠R615	1-249-408-11	CARBON	180	5%	1/4W F
⚠R616	1-234-182-11	ENCAPSULATED COMPONENT			
⚠R617	1-249-393-11	CARBON	10	5%	1/4W F
⚠R618	1-249-389-11	CARBON	4.7	5%	1/4W F
R620	1-249-425-11	CARBON	4.7K	5%	1/4W F
R621	1-247-850-11	CARBON	6.2K	5%	1/4W
R622	1-249-419-11	CARBON	1.5K	5%	1/4W F
R623	1-249-437-11	CARBON	47K	5%	1/4W
R625	1-247-881-00	CARBON	120K	5%	1/4W
R626	1-249-431-11	CARBON	15K	5%	1/4W
R630	1-249-425-11	CARBON	4.7K	5%	1/4W F
R631	1-249-425-11	CARBON	4.7K	5%	1/4W F
R638	1-247-881-00	CARBON	120K	5%	1/4W
⚠R648	1-249-401-11	CARBON	47	5%	1/4W F
R651	1-249-417-11	CARBON	1K	5%	1/4W F
R652	1-249-439-11	CARBON	68K	5%	1/4W
R653	1-249-413-11	CARBON	470	5%	1/4W F (CND)
R653	1-249-414-11	CARBON	560	5%	1/4W F (E,SP,MY,AR)
R653	1-249-415-11	CARBON	680	5%	1/4W F (AEP,UK)
R654	1-249-439-11	CARBON	68K	5%	1/4W
R660	1-249-421-11	CARBON	2.2K	5%	1/4W F
R661	1-249-440-11	CARBON	82K	5%	1/4W
R663	1-249-414-11	CARBON	560	5%	1/4W F
⚠R664	1-249-408-11	CARBON	180	5%	1/4W F
⚠R665	1-249-408-11	CARBON	180	5%	1/4W F
⚠R666	1-234-182-11	ENCAPSULATED COMPONENT			
⚠R667	1-249-393-11	CARBON	10	5%	1/4W F
⚠R668	1-249-389-11	CARBON	4.7	5%	1/4W F
R670	1-249-425-11	CARBON	4.7K	5%	1/4W F
R671	1-247-850-11	CARBON	6.2K	5%	1/4W
R672	1-249-419-11	CARBON	1.5K	5%	1/4W F
R674	1-249-433-11	CARBON	22K	5%	1/4W
R675	1-249-421-11	CARBON	2.2K	5%	1/4W F
R676	1-249-431-11	CARBON	15K	5%	1/4W
R677	1-249-433-11	CARBON	22K	5%	1/4W
R678	1-249-433-11	CARBON	22K	5%	1/4W
R683	1-249-437-11	CARBON	47K	5%	1/4W
R684	1-249-431-11	CARBON	15K	5%	1/4W

The components identified by mark ⚠ or dotted line with mark ⚠ are critical for safety. Replace only with part number specified.	Les composants identifiés par une marque ⚠ sont critiques pour la sécurité. Ne les remplacer que par une pièce portant le numéro spécifié.

Ref. No.	Part No.	Description			Remarks
R701	1-249-417-11	CARBON	1K	5%	1/4W F
R702	1-249-439-11	CARBON	68K	5%	1/4W
R703	1-249-418-11	CARBON	1.2K	5%	1/4W F (CND)
R703	1-249-419-11	CARBON	1.5K	5%	1/4W F (E,SP,MY,AR)
R703	1-249-421-11	CARBON	2.2K	5%	1/4W F (AEP,UK)
R704	1-249-439-11	CARBON	68K	5%	1/4W
R705	1-249-433-11	CARBON	22K	5%	1/4W
R706	1-215-888-00	METAL OXIDE	220	5%	2W (CND)
R706	1-216-453-00	METAL OXIDE	270	5%	2W (AEP,UK,E,SP,MY,AR)
R707	1-215-889-00	METAL OXIDE	330	5%	2W (CND)
R707	1-216-452-11	METAL OXIDE	180	5%	2W (E,SP,MY,AR)
R707	1-215-880-00	METAL OXIDE	10	5%	2W (AEP,UK)
R710	1-249-421-11	CARBON	2.2K	5%	1/4W F
R711	1-249-440-11	CARBON	82K	5%	1/4W (CND,E,SP,MY,AR)
R713	1-249-414-11	CARBON	560	5%	1/4W F
⚠R714	1-249-409-11	CARBON	220	5%	1/4W F
⚠R715	1-249-409-11	CARBON	220	5%	1/4W F
⚠R716	1-234-182-11	ENCAPSULATED COMPONENT			
⚠R717	1-249-393-11	CARBON	10	5%	1/4W F
⚠R718	1-249-389-11	CARBON	4.7	5%	1/4W F
R719	1-249-425-11	CARBON	4.7K	5%	1/4W F
R721	1-247-850-11	CARBON	6.2K	5%	1/4W
R722	1-249-419-11	CARBON	1.5K	5%	1/4W F
R723	1-249-437-11	CARBON	47K	5%	1/4W
R724	1-247-881-00	CARBON	120K	5%	1/4W
R727	1-249-433-11	CARBON	22K	5%	1/4W
⚠R728	1-249-401-11	CARBON	47	5%	1/4W F
R730	1-249-425-11	CARBON	4.7K	5%	1/4W F
R731	1-249-425-11	CARBON	4.7K	5%	1/4W F
⚠R732	1-249-381-11	CARBON	1	5%	1/4W F
⚠R733	1-249-381-11	CARBON	1	5%	1/4W F
R735	1-249-427-11	CARBON	6.8K	5%	1/4W F
R736	1-249-417-11	CARBON	1K	5%	1/4W F
R737	1-249-436-11	CARBON	39K	5%	1/4W
R738	1-247-881-00	CARBON	120K	5%	1/4W
R739	1-249-431-11	CARBON	15K	5%	1/4W
R740	1-249-433-11	CARBON	22K	5%	1/4W
R741	1-215-868-00	METAL OXIDE	680	5%	1W (CND)
R741	1-215-867-00	METAL OXIDE	470	5%	1W (E,SP,MY,AR)
R741	1-216-454-11	METAL OXIDE	390	5%	2W (AEP,UK)
R743	1-249-425-11	CARBON	4.7K	5%	1/4W F
R744	1-249-431-11	CARBON	15K	5%	1/4W
R745	1-249-421-11	CARBON	2.2K	5%	1/4W F
R746	1-249-433-11	CARBON	22K	5%	1/4W
R747	1-249-425-11	CARBON	4.7K	5%	1/4W F
R751	1-249-417-11	CARBON	1K	5%	1/4W F
R752	1-249-439-11	CARBON	68K	5%	1/4W
R753	1-249-413-11	CARBON	470	5%	1/4W F (CND)
R753	1-249-414-11	CARBON	560	5%	1/4W F (E,SP,MY,AR)

Ref. No.	Part No.	Description			Remarks
R753	1-249-415-11	CARBON	680	5%	1/4W F (AEP,UK)
R754	1-249-439-11	CARBON	68K	5%	1/4W
R760	1-249-421-11	CARBON	2.2K	5%	1/4W F
R761	1-249-440-11	CARBON	82K	5%	1/4W
R763	1-249-414-11	CARBON	560	5%	1/4W F
⚠R764	1-249-409-11	CARBON	220	5%	1/4W F
⚠R765	1-249-409-11	CARBON	220	5%	1/4W F
⚠R766	1-234-182-11	ENCAPSULATED COMPONENT			
⚠R767	1-249-393-11	CARBON	10	5%	1/4W F
⚠R768	1-249-389-11	CARBON	4.7	5%	1/4W F
R770	1-249-425-11	CARBON	4.7K	5%	1/4W F
R771	1-247-850-11	CARBON	6.2K	5%	1/4W
R772	1-249-419-11	CARBON	1.5K	5%	1/4W F
R775	1-249-421-11	CARBON	2.2K	5%	1/4W F
R776	1-249-431-11	CARBON	15K	5%	1/4W
R777	1-249-433-11	CARBON	22K	5%	1/4W
R778	1-249-431-11	CARBON	15K	5%	1/4W
R779	1-249-437-11	CARBON	47K	5%	1/4W
R791	1-215-868-00	METAL OXIDE	680	5%	1W (CND)
R791	1-215-867-00	METAL OXIDE	470	5%	1W (E,SP,MY,AR)
R791	1-216-454-11	METAL OXIDE	390	5%	2W (AEP,UK)
R793	1-249-425-11	CARBON	4.7K	5%	1/4W F
⚠R795	1-249-401-11	CARBON	47	5%	1/4W F
⚠R803	1-249-386-11	CARBON	2.7	5%	1/6W F
R804	1-249-426-11	CARBON	5.6K	5%	1/4W
R1000	1-247-897-11	CARBON	560K	5%	1/4W
RR02	1-249-437-11	CARBON	47K	5%	1/4W
RR04	1-249-437-11	CARBON	47K	5%	1/4W
RR05	1-249-437-11	CARBON	47K	5%	1/4W
RR07	1-249-437-11	CARBON	47K	5%	1/4W
⚠RR11	1-249-393-11	CARBON	10	5%	1/4W F
⚠RR12	1-249-393-11	CARBON	10	5%	1/4W F
⚠RR13	1-249-393-11	CARBON	10	5%	1/4W F
⚠RR14	1-249-393-11	CARBON	10	5%	1/4W F
⚠RR15	1-249-393-11	CARBON	10	5%	1/4W F
RR52	1-249-437-11	CARBON	47K	5%	1/4W
RR54	1-249-437-11	CARBON	47K	5%	1/4W
RR55	1-249-437-11	CARBON	47K	5%	1/4W
RR57	1-249-437-11	CARBON	47K	5%	1/4W
		< RELAY >			
RY470	1-755-267-11	RELAY			
RY510	1-755-170-11	RELAY			
RY610	1-755-170-11	RELAY			
RY710	1-755-170-11	RELAY			
RY791	1-515-614-11	RELAY			
		< TERMINAL >			
TM601	1-537-923-11	TERMINAL BOARD (SPEAKER) (6P) (SPEAKERS SURROUND, CENTER)			
TM602	1-537-240-31	TERMINAL BOARD (SPEAKERS FRONT)			

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MAIN **POWER SWITCH** **SECONDARY** **STAND BY**

Ref. No.	Part No.	Description			Remarks
		< VIBRATOR >			
X1	1-579-900-11	VIBRATOR, CRYSTAL 4.33MHz (AEP,UK)			
**********					
	1-680-497-11	POWER SWITCH BOARD			
		**********			
		< CONNECTOR >			
* CNS104	1-564-518-11	PLUG, CONNECTOR 3P			
		< RESISTOR >			
R239	1-249-425-11	CARBON	4.7K	5%	1/4W F
		< SWITCH >			
S200	1-771-410-21	SWITCH, TACTILE (I/⏻)			
S209	1-771-410-21	SWITCH, TACTILE (DISPLAY)			
S210	1-771-410-21	SWITCH, TACTILE (DIMMER)			
**********					
	1-680-493-11	SECONDARY BOARD			
		**********			
		< CONNECTOR >			
CN801	1-564-521-11	PLUG, CONNECTOR 6P			
* CN802	1-564-214-11	PIN, CONNECTOR (B3PS-VH) 3P			
		< RF MODULATOR >			
⚠RF801	1-243-833-91	FUSIBLE	0.47	5%	1/2W
⚠RF802	1-243-833-91	FUSIBLE	0.47	5%	1/2W
**********					
	A-4476-441-A	STAND BY BOARD, COMPLETE (CND)			
		**********			
	A-4475-758-A	STAND BY BOARD, COMPLETE			
					(AEP,UK,SP,MY,AR)
		**********			
	A-4475-857-A	STAND BY BOARD, COMPLETE (E)			
		**********			
	1-533-293-11	FUSE HOLDER			
		< CAPACITOR >			
⚠C920	1-164-159-11	CERAMIC	0.1uF		50V
⚠C921	1-164-159-11	CERAMIC	0.1uF		50V
C950	1-126-767-11	ELECT	1000uF	20.00%	16V
C951	1-164-159-11	CERAMIC	0.1uF		50V
C952	1-126-960-11	ELECT	1uF	20.00%	50V
C953	1-124-252-00	ELECT	0.33uF	20%	50V
C954	1-126-964-11	ELECT	10uF	20.00%	50V
C955	1-164-159-11	CERAMIC	0.1uF		50V
C957	1-164-159-11	CERAMIC	0.1uF		50V
C958	1-164-159-11	CERAMIC	0.1uF		50V
		< CONNECTOR >			
CN901	1-691-766-11	PLUG (MICRO CONNECTOR) 4P			
* CN902	1-564-321-21	PIN, CONNECTOR 2P			
CN906	1-568-106-11	PIN, CONNECTOR 4P (E)			

Ref. No.	Part No.	Description			Remarks
		< CONNECTOR >			
CNP901	1-564-321-00	PIN, CONNECTOR 2P			
		< DIODE >			
D901	8-719-911-19	DIODE 1SS133T-72 (CND,AEP,UK,SP,MY,AR)			
D901	8-719-991-33	DIODE 1SS133T-77 (E)			
D910	8-719-024-99	DIODE 11ES2-NTA2B (CND,AEP,UK,SP,MY,AR)			
D910	8-719-200-82	DIODE 11ES2-NTA1B (E)			
D911	8-719-024-99	DIODE 11ES2-NTA2B (CND,AEP,UK,SP,MY,AR)			
D911	8-719-200-82	DIODE 11ES2-NTA1B (E)			
D912	8-719-024-99	DIODE 11ES2-NTA2B (CND,AEP,UK,SP,MY,AR)			
D912	8-719-200-82	DIODE 11ES2-NTA1B (E)			
D913	8-719-024-99	DIODE 11ES2-NTA2B (CND,AEP,UK,SP,MY,AR)			
D913	8-719-200-82	DIODE 11ES2-NTA1B (E)			
D914	8-719-911-19	DIODE 1SS133T-72 (CND,AEP,UK,SP,MY,AR)			
D914	8-719-991-33	DIODE 1SS133T-77 (E)			
D915	8-719-911-19	DIODE 1SS133T-72 (CND,AEP,UK,SP,MY,AR)			
D915	8-719-991-33	DIODE 1SS133T-77 (E)			
		< EARTH >			
* EPT901	1-537-738-21	TERMINAL, EARTH			
		< FUSE >			
⚠F901	1-532-388-51	FUSE 2A-250V (E,SP,MY)			
⚠F901	1-532-404-11	FUSE, GLASS TUBE 0.1A-125V (AR)			
⚠F901	1-532-502-51	FUSE 1.25A-250V (AEP,UK)			
⚠F901	1-576-108-11	FUSE 4A-125V (CND)			
		< IC >			
IC950	8-759-333-83	IC NJM2103D			
		< TRANSISTOR >			
Q901	8-729-119-78	TRANSISTOR	2SC2785TP-HFE		
Q951	8-729-045-21	TRANSISTOR	2SD1513TP-LK		
		< RESISTOR >			
⚠R901	1-202-725-00	SOLID	3.3M	10%	1/2W (CND)
R902	1-249-437-11	CARBON	47K	5%	1/4W
R903	1-249-425-11	CARBON	4.7K	5%	1/4W F
R950	1-249-421-11	CARBON	2.2K	5%	1/4W F
R951	1-249-428-11	CARBON	8.2K	5%	1/4W F
R952	1-249-422-11	CARBON	2.7K	5%	1/4W F
R953	1-249-433-11	CARBON	22K	5%	1/4W
R954	1-249-437-11	CARBON	47K	5%	1/4W
R955	1-249-429-11	CARBON	10K	5%	1/4W
R956	1-247-843-11	CARBON	3.3K	5%	1/4W
R957	1-249-417-11	CARBON	1K	5%	1/4W F
R960	1-249-431-11	CARBON	15K	5%	1/4W
		< RELAY >			
⚠RY901	1-755-276-11	RELAY, POWER			

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STAND BY **VOL-SEL**

Ref. No.	Part No.	Description	Remarks
		< TRANSFORMER >	
⚠T902	1-435-436-11	TRANSFORMER, POWER (CND)	
⚠T902	1-435-434-11	TRANSFORMER, POWER (E)	
⚠T902	1-435-435-11	TRANSFORMER, POWER (AEP,UK,SP,MY,AR)	
⚠T902	1-435-436-11	TRANSFORMER, POWER (CND)	
**********			
	1-680-495-11	VOL-SEL BOARD (E)	
		**********	
		< CONNECTOR >	
* CNP908	1-564-687-11	PIN, CONNECTOR 3P (E)	
		< SWITCH >	
⚠S901	1-571-437-21	SWITCH, POWER VOLTAGE CHANGE (VOLTAGE SELECTOR)(E)	
**********			
		MISCELLANEOUS	
		**********	
54	1-773-009-11	WIRE (FLAT TYPE) (15 CORE)	
56	1-693-407-21	TUNER UNIT (CND,E,AR)	
56	1-693-408-41	TUNER UNIT (AEP,UK,E,SP,MY)	
⚠59	1-777-071-21	CORD, POWER (AEP,UK,E,SP,MY)	
⚠59	1-783-820-11	CORD, POWER (CND)	
⚠59	1-783-941-12	CORD, POWER (AR)	
⚠60	1-569-008-21	ADAPTOR, CONVERSION 2P (E)	
⚠61	1-770-019-11	ADAPTOR, CONVERSION PLUG 3P (UK)	
⚠T901	1-435-268-11	TRANSFORMER, POWER (AR)	
⚠T901	1-435-269-11	TRANSFORMER, POWER (E)	
⚠T901	1-435-896-11	TRANSFORMER, POWER (AEP,UK)	
⚠T901	1-437-285-11	TRANSFORMER, POWER (SP,MY)	
⚠T901	1-437-286-11	POWER TRANSFORMER (CND)	

Ref. No.	Part No.	Description	Remarks
		ACCESSORIES & PACKING MATERIALS	
		**********	
	1-476-552-11	COMMANDER, STANDARD (RM-U305)	
	1-501-374-11	ANTENNA, LOOP (AM)	
	1-501-594-11	ANTENNA (FM) (AEP,UK,SP,AR)	
	1-793-184-21	CONNECTOR (F TYPE ADAPTOR) (CND,E)	
	4-228-696-01	COVER, BATTERY (FOR RM-U305)	
	4-233-502-11	INSTRUCTION MANUAL (ENGLISH,FRENCH)	
	4-233-502-31	INSTRUCTION MANUAL (ENGLISH,SWEDISH,FRENCH,DUTCH)	
	4-233-502-41	INSTRUCTION MANUAL (GERMAN,POLISH,SPANISH,ITALIAN)	
	4-233-502-51	INSTRUCTION MANUAL (ENGLISH,SPANISH)	
	4-235-651-11	INSTRUCTION MANUAL (DANISH,FINNISH)	

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REVISION HISTORY

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Ver.	Date	Description of Revision
1.0	2001.03	New